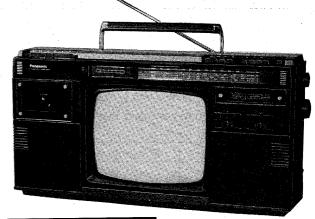
ice Ma

Black and White Television with Stereo Radio Cassette

R-123

Chassis Model No. 12B01-A/E **Chassis Family No. 12B01**

Main Manual



Specifications

Television

AC: 120/220/240V, 50/60Hz, DC: 12V **Power Source:**

AC: 50W, DC: 19W **Power Consumption:**

VHF/UHF/FM/SW Monopole antenna 75 Ω Antenna Lmpedance:

VHF/UHF/FM/SW External antenna 300Ω

Receiving Cannels:

VHF: USA 2-6,7-13

> 3-4.5-10CCIR

C.Gch Italian

UHF: USA 14-83ch

21-69ch CCIR 21-69ch

Intermediate

Video: 45.74MHz Frequency:

Sound: 41.25MHz (USA)

(CCIA/EUR) 40.25MHz

(CCIA/UK) 39.75MHz

Integrated Circuit: 13

Semiconductor: 30 Transistors (with Radio and 55 Dlodes

Cassette Recorder)

Nominal Anode

Voltage:

Picture Tube: Speaker:

14.0KV (Zero Beam Current)

310JHB4, 12inches, 90° Deflection

2-Way 4-speakers System Woofer: 12cm x 2

3cm x 2 Tweeter:

Peak Automatic Gain Control **Automatic Circuits:** Saw-Tooth Automatic Frequency

Control

1 H.V. Recifier

Automatic Voltage Regulator

Dimensions:

Weight:

Height: Width:

32.6cm 64.3cm 32.1cm

Depth:

Stereo Radio Cassette

Mechanical governor motor Motor:

80Hz - 15KHz Frequency Response:

AC binas with 45.5/47.5KHz **Recording System:**

(Beat Proop Selector)

Push button one-touch operation Operation:

with Auto-Stop and mechanical

pause

4.8cm/s. (1-7/8 ips.) Tape Speed:

1 hour with C-60 cassette tape Program Time: Approx. 120 seconds with C-60 Fast Forward and

cassette tape **Rewind Time:**

Track System: 4 track 2 channel stereo recording

and playback

MIC: sensitivity 0.25mV/applicable Input:

microphone impedance

200-600M (L&R)

LINE IN: $420\text{mV}/50\text{K}\Omega$ (L&R)

 $380\text{mV}/47\text{K}\Omega$ (L&R) LINE OUT: EXT Speaker terminal: 8Ω (L&R)

REMOTE: for manual start and

stop

87.5-108MHz FMRadio Frequency Range:

Output:

Sound Output:

Accessories:

145-285KHz LW 530-1605KHz MW

5.9-18.0MHz

5W + 5W (Max.)

Car Batter Cord (TSX8365)

Specifications are subject to change without notice.

Matsushita Electric Trading Co

P.O. Box 288, Central O

SAFETY PRECAUTIONS

GENERAL GUIDELINES

- It is advisable to insert an isolation transformer between the television set and the ac power line before servicing the chassis
- In servicing, pay attention to the original lead dress, especially in the high voltage circuit. If a short circuit is found, replace all parts which is have been overheated as a result of the short circuit.
- After servicing, observe that all the protective devices such as insulation barriers, insulation papers, shields, isolation and R-C combinations, are properly installed.
- 4. Before turning the receiver on, check the resistance between the B+ line chassis ground. Connect ⊖ side of an ohmmeter to B+ line and ⊕ side to ground. Each line should have more resistance than specified below.

B+ line	Minimum Resistance	
+11.5V	34 Ohms	* .*

- 5. When the TV set will not be used for a long period of time, unplug the power cord from the ac line outlet.
- 6. Potentials an high as 14.0 kV are present when this receiver is operating. Operation of the receiver without the rear cover on involves a danger of shock. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high-voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube.
- 7. After servicing make the following leakage current check to protect the customer from a potential shock hazard.

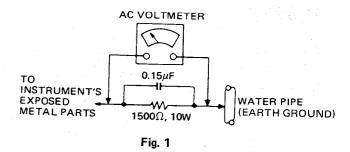
LEAKAGE CURRENT COLD CHECK

- 1. Unplug the ac cord and connect a jumper between the two prongs on the plug.
- 2. Turn on the receiver power switch on.
- 3. Measure the resistance value with an ohmmeter between the jumpered ac plug and each exposed metallic part such as screwheads, antennas, control shafts, handle bracket, ect. When the exposed metallic part has a return path to the chassis, the reading should be 1.8 megohm to 4.0 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity.
- 4. Remove the jumper from the ac plug.

LEAKAGE CURRENT HOT CHECK

- 1. Plug the ac cord directly into the ac outlet. Do not use an isolation transformer during this check.
- 2. Connect a 1500 ohm, 10 watt resistor, paralleled by a $0.15\mu\text{F}$ capacitor between each exposed metallic part and a good earth ground like a water pipe as shown in Fig. 1.
- 3. Use an ac voltmeter with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- 4. Move the resistor connection to each exposed metallic part and measure the voltage.
- 5. Reverse the polarity of the ac plug in the ac outlet and repeat the above measurement.
- 6. The potential must not exceed 0.75 volt rms, from any exposed metal part to ground.

If in case any of the measurements exceed the limits specified, there is a possibility of a shock hazard and the receiver should be repaired and rechecked before it is returned to the customer.



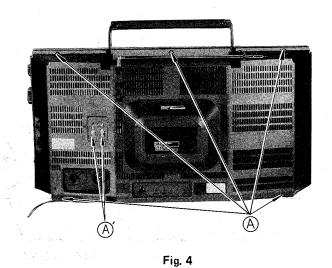
X-RADIATION

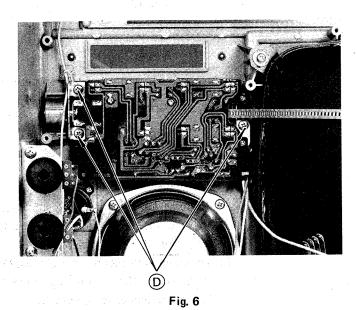
WARNING: The potential souce of X-Radiation in TV sets is the picture tube.

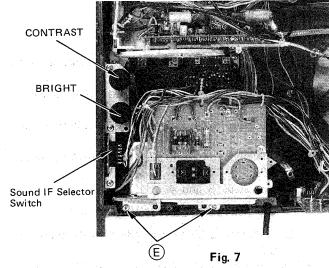
NOTE: It is important to use an accurate periodically calibrated high voltage meter.

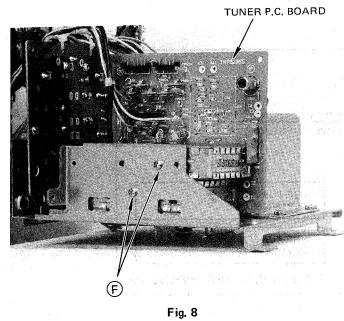
- 1. Turn the Brightness control fully counterclockwise.
- 2. Measure the High Voltage. The high voltage meter should indicate a nominal 14.0kV and the maximum of 20.5kV. If the upper meter indication exceeds the maximum level, immediate service is required to prevent the possibility of premature component failure.
- 3. To prevent the possibility of X-Radiation it is essential to use the specified picture tube.

DISASSEMBLY INSTRUCTIONS-









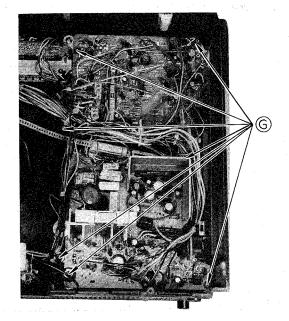


Fig. 9

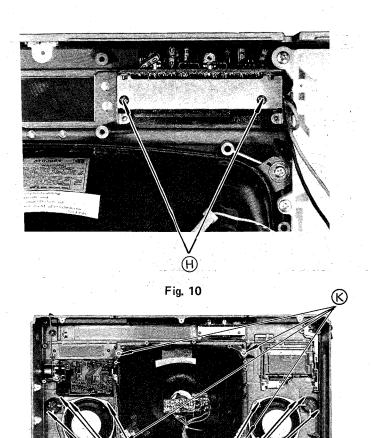


Fig. 12

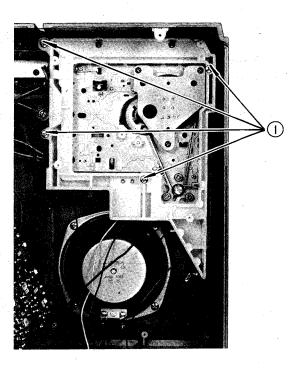


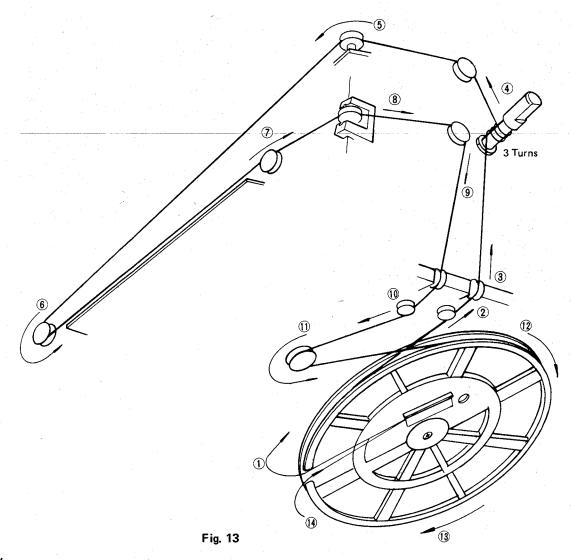
Fig. 11

Procedure	To remove ——.	Remove ——.	Shown in Fig. ——.
1	Rear Cover	• 5 screws (A) (XTB4+20AFCx5) • (Loose 2 screws)(A)	4
2	Indicator Block	 Radio tuning knob and TV tuning knob 7 screws (XTB3+10Ax7) Pull the cabinet in the direction arrow 	5
3	Control Panel Block	The knobs on the panel3 screws ······ ① (XTB3+8Ax3)	4
4	Power Block	Volume Block and sound IF selector switch 2 screws (£) (XTB4+10A) RF (T) and (T) connectors	7
5	Tuner Block	• 2 screws ····· (F) (XSN3+4S)	8
6	Audio P.C.Board	• 8 screws (\$ (THE210Zx7) • (1) Connector and wire (THE506-2x1)	9
7	LED P.C.Board	• 2 screws (H) (XTV3+10A)	10
8	Cassette Block	• 4 screws ① (XTB4+35A)	11
9	Speaker	• 12 screws (XTB4+10A×8) XTB3+10A×4)	12
10	Picture Tube	• 4 screws ······ (THE399-2)	12

DIAL THREADING

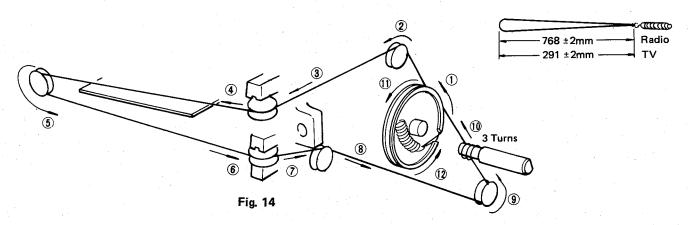
Radio

- 1. Remove chassis from cabinet.
- 2. Turn dial drum to clockwise.
- 3. Arrows (\bigcirc \bigcirc) indicate correct order and indication of dial threading as shown in Fig. 13.



TV

- 1. Remove chassis from cabinet.
- 2. Turn dial drum to clockwise.
- 3. Arrows (\bigcirc \bigcirc) indicate correct order and indication dial threading as shown in Fig. 14.



GENERAL ALIGNMENT

TV INDICATOR ALIGNMENT

Preparation

- 1. Set up voltmeter as shown Fig. 15.
- 2. Maintain power supply voltage at 220 volt.

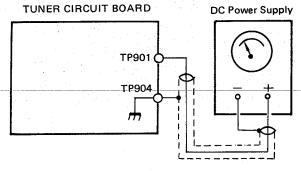


Fig. 15

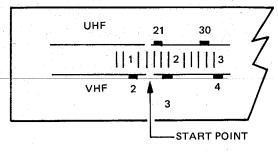


Fig. 16

ALIGNMENT PROCEDURE

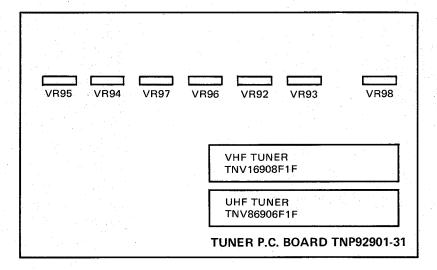
- 1. Set selector switch to TV position and channel switch to UHF position.
- 2. Connect a voltmeter between IC91 terminal NO. 3 and ground.
- 3. Set indicator to CH E21 and adjust VR93 to obtain 1.02V.
- 4. Set indicator to CHA53 and adjust VR95 to obtain 11.02V.
- 5. Repeat steps 3 and 4.
- 6. Set channel band switch to VHF position.
- 7. Set indicator to CHA2 and adjust VR92 to obtain 1.35V.
- 8. Set indicator to CHA6 and adjust VR94 to obtain 15,27V
- 9. Repeat steps 7 and 8.

- 10. Set indicator to CHA11 and adjust VR96 to obtain 10.23V.
- 11. Set indicator to CHE5 and adjust VR97 to obtain 5.6V.
- 12. Repeat steps 10 and 11.

NOTE: The following condition are required.

VHF: To obtain the picture at ch2, ch5, ch6, ch10, ch11, +0.5ch from the correct indication points is acceptable.

UHF: To obtain the pictire at ch21, ch25, ch53, ch83, +2ch from the correct indication points is acceptable.



RADIO ALIGNMENT

RADIO IF (455KHz) ADJUSTMENT CONNECTION

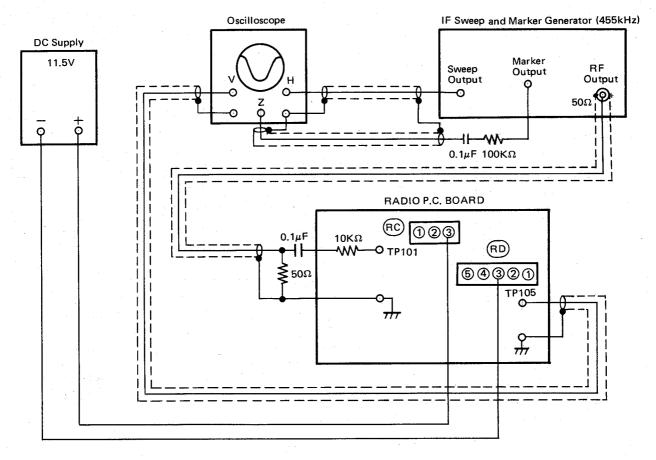


Fig. 18

ALIGNMENT STEP

- 1. Set band select switch to MW position.
- 2. Adjust T1101, T1102 and T1103 to obtain the wave form as shown in Fig. 19.

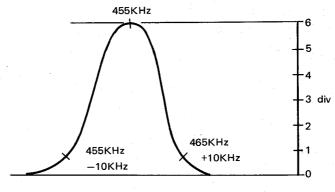


Fig. 19

RADIO IF (10.7MHz) ADJUSTMENT CONNECTION

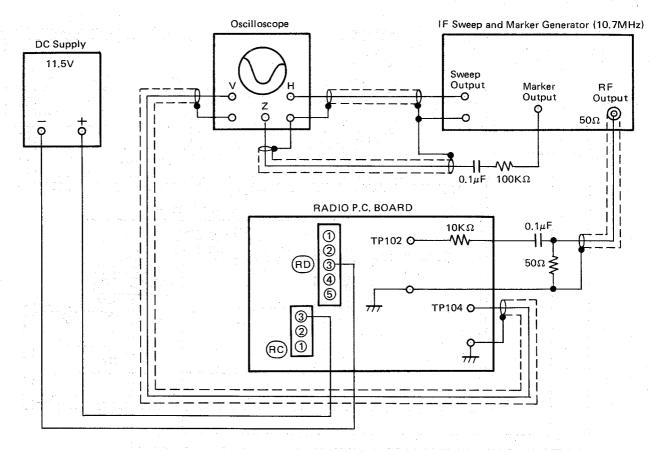
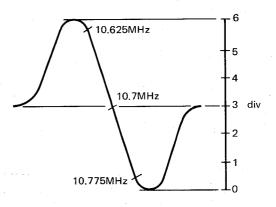


Fig. 20

ALIGNMENT STEP

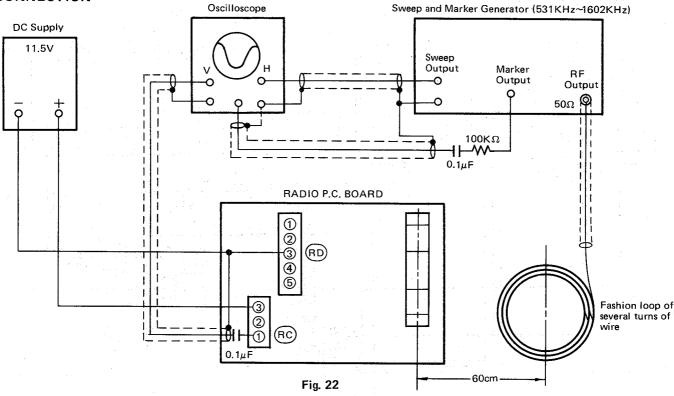
- 1. Set band select switch to FM position.
- 2. Adjust T1003 until the 10.7kHz marker is at the center of slanted line as shown in Fig. 21.
- 3. Adjust T1001, T1002 and T1003 to obtain the waveform as shown in Fig. 21.



 $\begin{array}{ll} \text{Level of Oscilloscope} & 0.3 \text{V}/3 \text{div or } 100 \text{mV/cm} \\ \text{Sweep Output} & 3.5 \text{mV/rms} \pm 5 \text{dB} \end{array}$

Fig. 21

MW/LW TRACKING ADJUSTMENT CONNECTION



ALIGNMENT STEP MW TRACKING

- 1. Set band select switch to MW position.
- 2. Set radio indicator to 600kHz position.
- Adjust L1105 to obtain maximum output at 600kHz marker as in Fig. 23.
- 4. Set radio indicator to 1400kHz.
- 5. Adjust C1111 of trimmer to maximum output at **1400kHz** marker as in Fig. 23
- 6. Repeat step 2-5 several times to set radio indicator to correct position.
- 7. Set radio indicator to 600kHz position.
- 8. Adjust a direction of L1102 to obtain the maximum amplitude. (Note: After this adjustment is done, L1102 should be fixed by paraffin)
- 9. Set radio indicator to 1400kHz position.

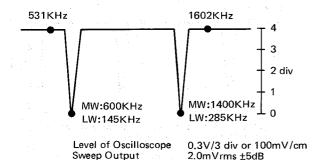


Fig. 23

- 10. Adjust C1103 of trimmer to obtain the maximum amplitude.
- Repeat step 7 10 several times to obtain the maximum amplitude at both 600kHz and 1400kHz marker as in Fig. 23.

LW TRACKING

- 1. Set band select switch to LW position.
- 2. Set radio indicator to 145kHz position.
- Adjust L1104 to obtain maximum output at 145kHz marker as in Fig. 23.
- 4. Set radio indicator to 285kHz.
- 5. Adjust C1110 of trimmer to maximum output at **285kHz** marker as in Fig. 23.
- 6. Repeat step 2-5 several times to set radio indicator to correct position.
- 7. Set radio indicator to 145kHz position.
- 8. Adjust a direction of L1102 to obtain the maximum amplitude. (Note: After this adjustment is done L1102 should be fixed by paraffin)
- 9. Set radio indicator to 285kHz position
- 10. Adjust C1102 of trimmer to obtain the maximum amplitude.
- 11. Repeat step 7 10 serveral time to obtain the maximum amplitude at both 145kHz and 285kHz marker as in Fig. 23.

SW TRACKING ADJUSTMENT CONNECTION

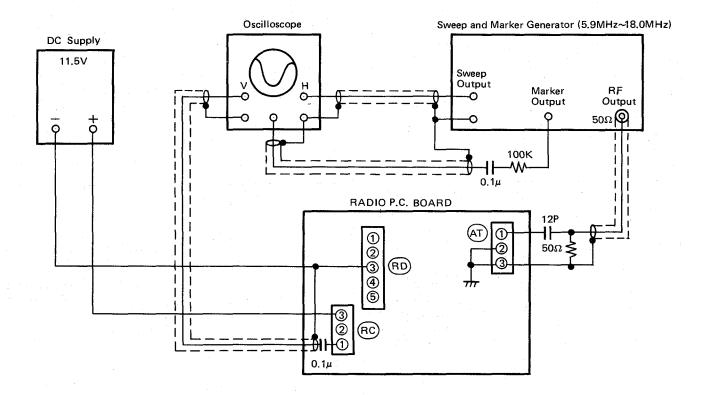
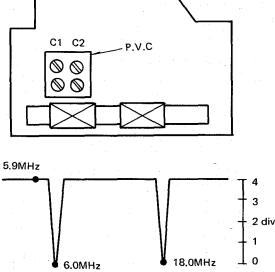


Fig. 24

ALIGNMENT STEP

- 1. Set band selector switch to SW position.
- 2. Set radio indicator to 6.0MHz position.
- Adjust L1106 to obtain maximum output at 6.0MHz marker as in Fig. 25.
- 4. Set radio indicator to 18.0MHz.
- 5. Adjust C1 of P.V.C. trimmer (See Fig. 25.) to obtain maximum output at **18.0MHz** marker as in Fig. 25.
- 6. Repeat step 2-5 several times to set radio indicator to correct position.
- 7. Set radio indicator to 6.0MHz position.
- 8. Adjust a direction of L1103 to obtain the maximum amplitude.
- 9. Set radio indicator 18.0MHz position.
- 10. Adjust C2 of P.V.C. trimmer to obtain the maximum amplitude.
- 11. Repeat step 7-10 several times to obtain the maximum amplitude at both **6.0MHz** and **18.0MHz** marker as in Fig. 25.



 $\begin{array}{lll} \text{Level of Oscilloscope} & 0.3\text{V/3 div or } 100\text{mV/cm} \\ \text{Sweep Output} & 600\mu\text{Vrms} \pm 5\text{dB} \end{array}$

Fig. 25

FM TRACKING ADJUSTMENT CONNECTION

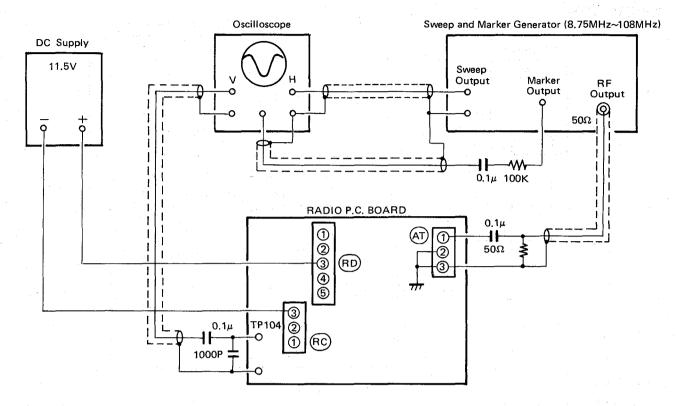


Fig. 26

ALIGNMENT STEP

- 1. Set band selector switch to FM position.
- 2. Set radio indicator to 90MHz position.
- 3. Adjust L1002 to set **90MHz** marker to the center of slanted line as shown in Fig. 27.
- 4. Set radio indicator to 106MHz position.
- 5. Adjust FC1 of P.V.C. trimmer to set **106MHz** marker to the center of slanted line as shown in Fig. 27.
- 6. Repeat step 2-5 several times to set radio indicator to correct position.
- 7. Set radio indicator to 90MHz position.
- 8. Adjust L1001 to obtain the maximum amplitude.
- 9. Set radio indicator to 106MHz position.
- 10. Adjust FC2 of P.V.C. trimmer to obtain the maximum amplitude.
- 11. Repeat step 7 10 several times to obtain the maximum amplitude at both **90MHz** and **106MHz** marker as in Fig. 27.

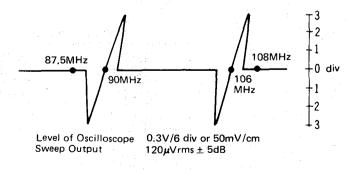
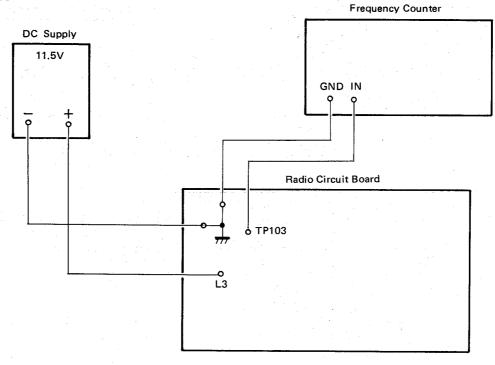


Fig. 27

STEREO ALIGNMENT

19KHz ALIGNMENT CONNECTION

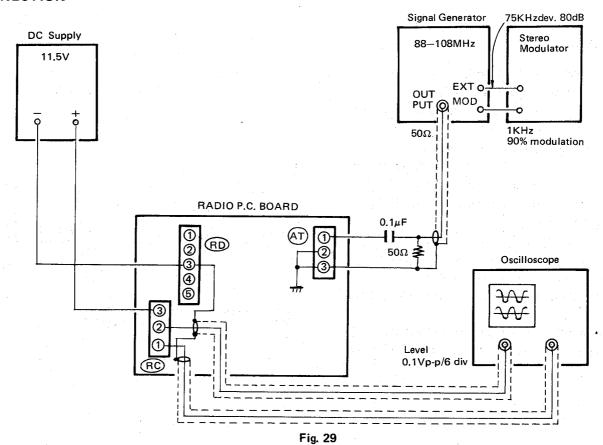


ALIGNMENT

Adjust VR101 to obtain 19kHz ±0.1kHz.

Fig. 28

SEPARATION ALIGNMENT CONNECTION



ALIGNMENT STEP

- 1. Set band select switch to FM position.
- 2. Set mode switch to stereo position and balance control to "L" (left) position.
- 3. Adjust VR102 to obtain the minimum "R" (right) output.
- 4. Set balance control to "R" (right) position.
- 5. Adjust VR102 to obtain the minimum "L" (left) output.

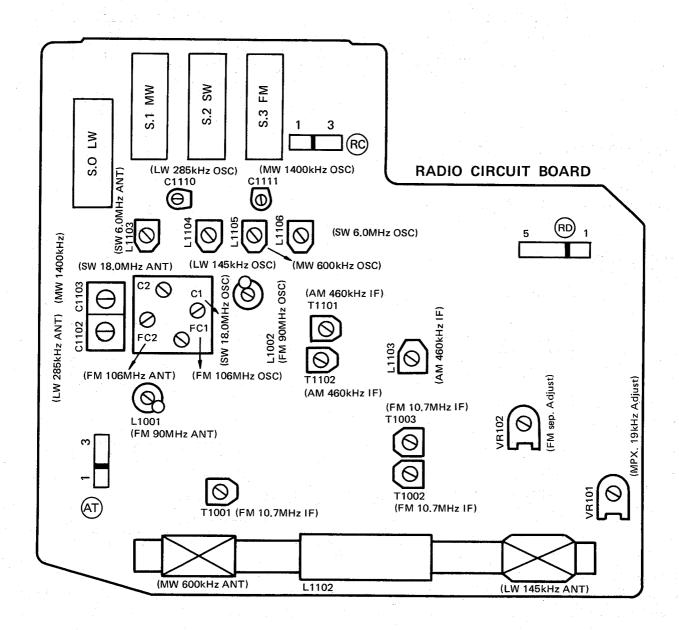


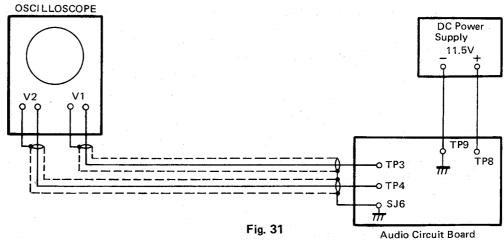
Fig. 30 Control Location

CASSETTE TAPE RECORDER ALIGNMENT-

TRAP COIL ALIGNMENT

Preparation

1. Set up Oscilloscope and DC power supply as shown in Fig. 31.



Alignment Procedure

- 1. Set VR141 and VR151 to center position.
- 2. Set tape recorder to recording mode.
- 3. Adjust L1401 and L1501 to obtain minimum level.

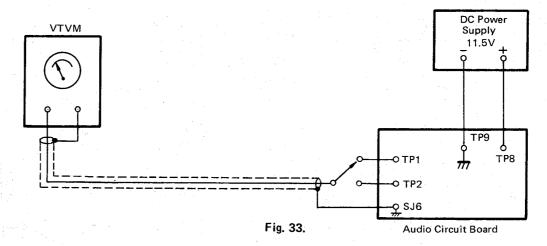
Tune in Frequency of L1401 and L1501 Beat proof SW 2 1 Position 46kHz

Fig. 32

BIAS ALIGNMENT

Preparation

1. Set up Voltmeter and DC power supply as shown in Fig. 33.



Alignment Procedure

- 1. Set tape recorder to recording mode and best proof SW102 at position 2.
- 2. Adjust VR141 and VR151 to obtain the voltage of $\pm 3.8 \text{mV} \pm 0.2 \text{mV}$.
- 3. Confirm VR141 and VR151 to obtain the voltage of +3.9mV ±0.3mV with SW102 at position 1.

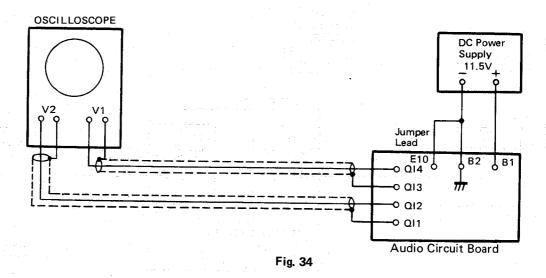
Note: Trap coil alignment and Bias alignment interact with one another.

Repeat alignment several times to confirm correct trap coil and bias alignment.

R/P HEAD AZIMUTH

Preparation

1. Set up Oscilloscope and DC supply as shown in Fig. 34.



Alignment Procedure

- 1. Play azimuth tape (9ZZCFM).
- 2. Adjust screw for Maximum indication on oscilloscope when playback by the test tape.
- 3. Fix adjustment lock head adjustment screw with lacquer.

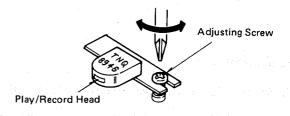


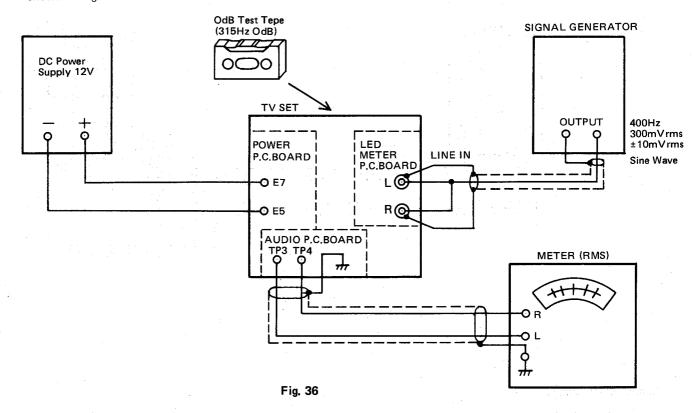
Fig. 35

LED METER ALIGNMENT

LED METER ALIGNMENT

Preparation

1. Set up Signal Generator and DC power supply as shown in Fig. 36.



Alignment Procedure

- 1. Set the LED meter switch (SW301) to "ON" position.
- 2. Set the TV/Radio/Tape/Line in Selector to "TAPE" position.
- 3. Put the test tape (9ZZCFM) and Set the tape recorder to playback mode.
- 4. Adjust VR301 (L side) to obtain light the 5th. LED meter from left side as shown in Fig. 37.
- 5. Adjust VR302 (R Side) to obtain light the 5th. LED meter from left side as shown in Fig. 37.

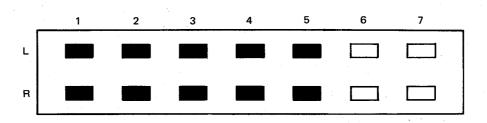
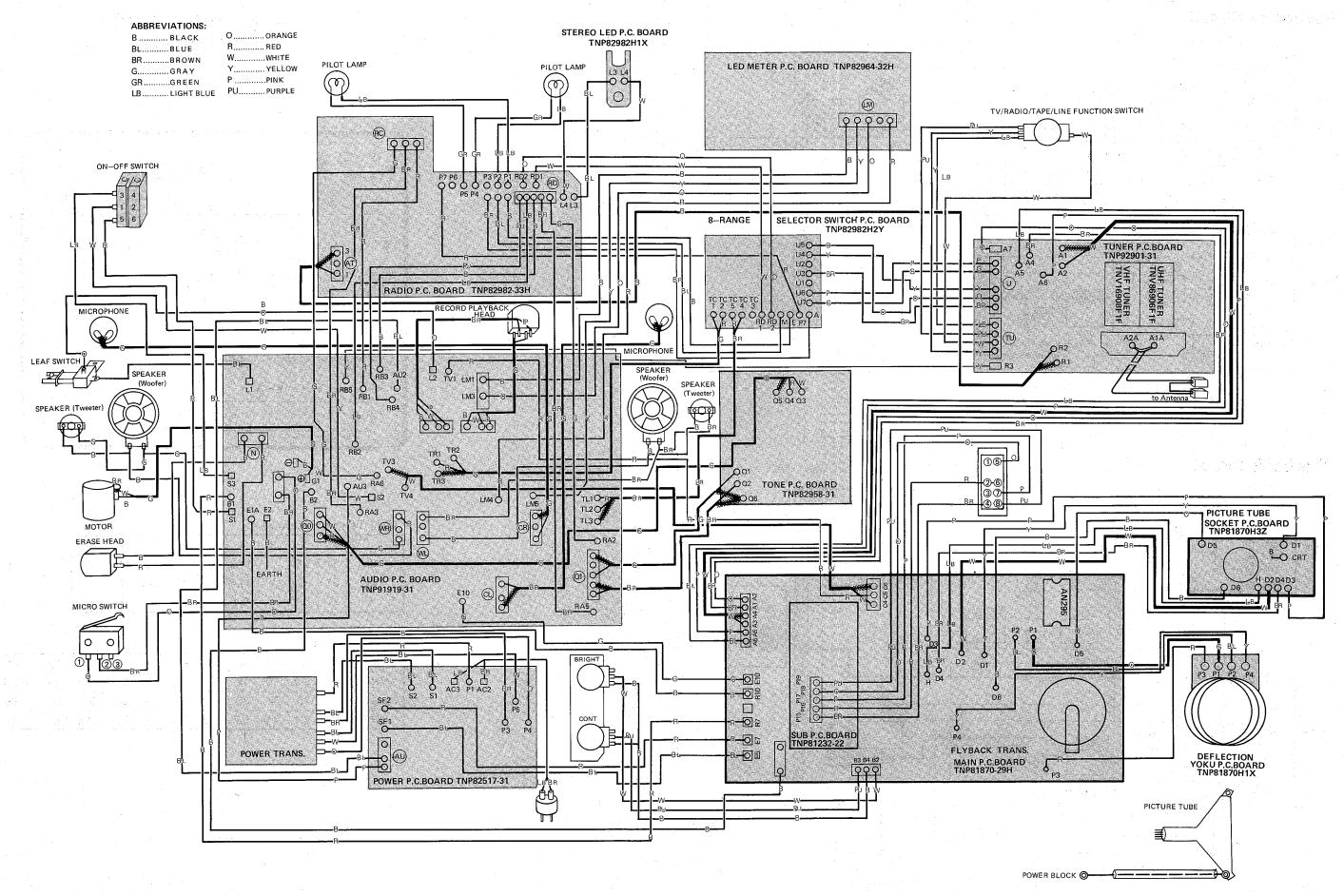
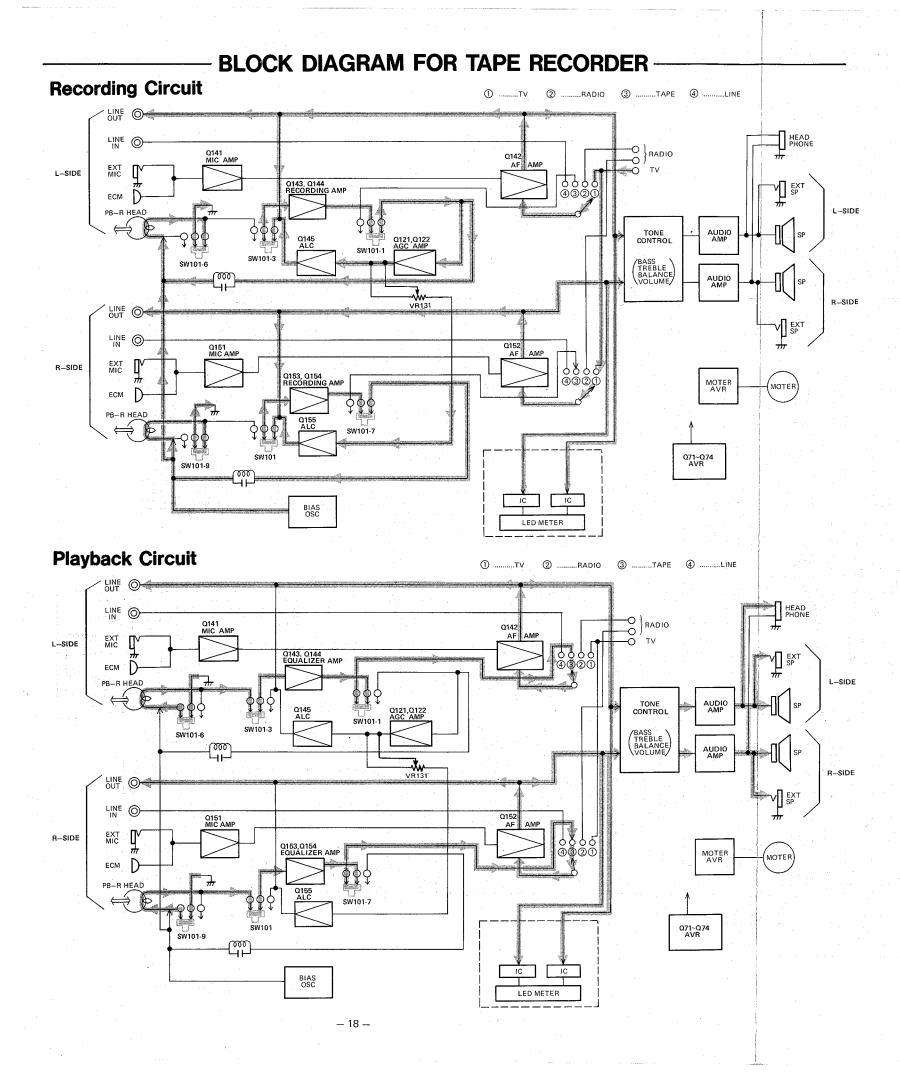


Fig. 37

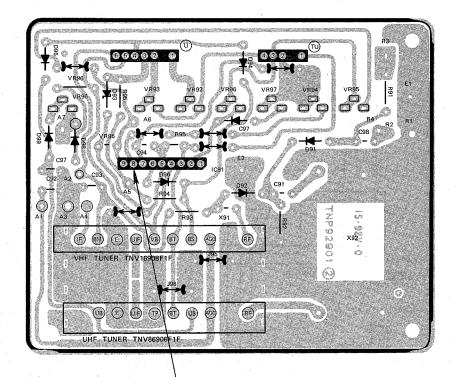
CONNECTION TABLE -





CONDUCTOR VIEW -

TUNER CIRCUIT BOARD TNP82965-33



IC91 Terminal Voltage

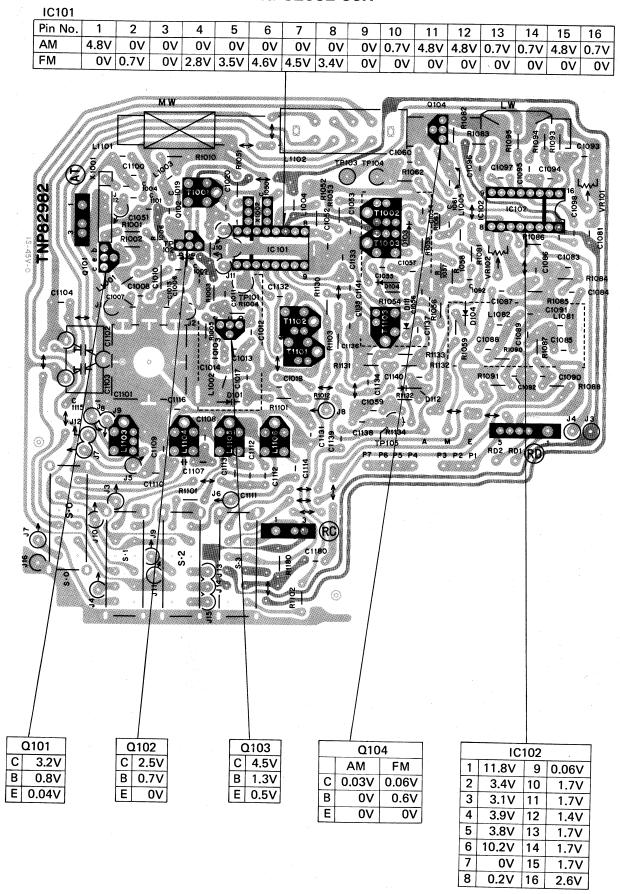
1	2	3 .	4	5	6	7	8	9
31	26		11.3	0	- 7	27	31	32
31	0	1	11.3	0	10	6.3	6	32
27	8.3		0.4	0	- 7	6.4	8	32
	31 31	31 26 31 0	31 26 31 0	31 26 11.3 31 0 11.3	31 26 11.3 0 31 0 11.3 0	31 26 31 0 11.3 0 11.3 0 11.3 0 10	31 26 31 0 31 0 11.3 0 11.3 0 10 6.3	31 26 31 0 31 0 11.3 0 11.3 0 10 6.3 6

IC91 Terminal 3-

Channel	1	2	3	4	5	6	7	8	9	10	11	12
VHF	0.2	3.9	10	12	17	7	8	9.3	10.5	11.6	13.2	16
Channel	21	25	30	35	40	45	50	55	60	65	69	
UHF	0.9	2.1	3.8	5.7	8.2	8.8	10.7	12.4	14.4	16.2	18	

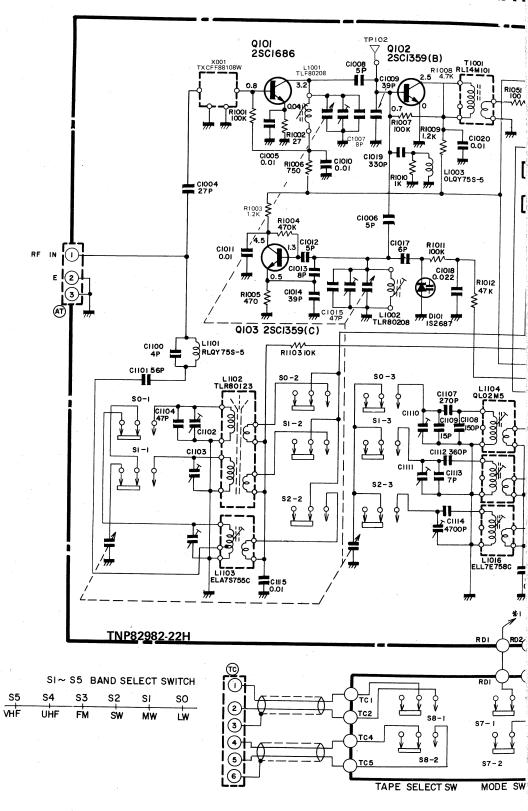
-CONDUCTOR VIEW -

RADIO CIRCUIT BOARD TNP82982-33H



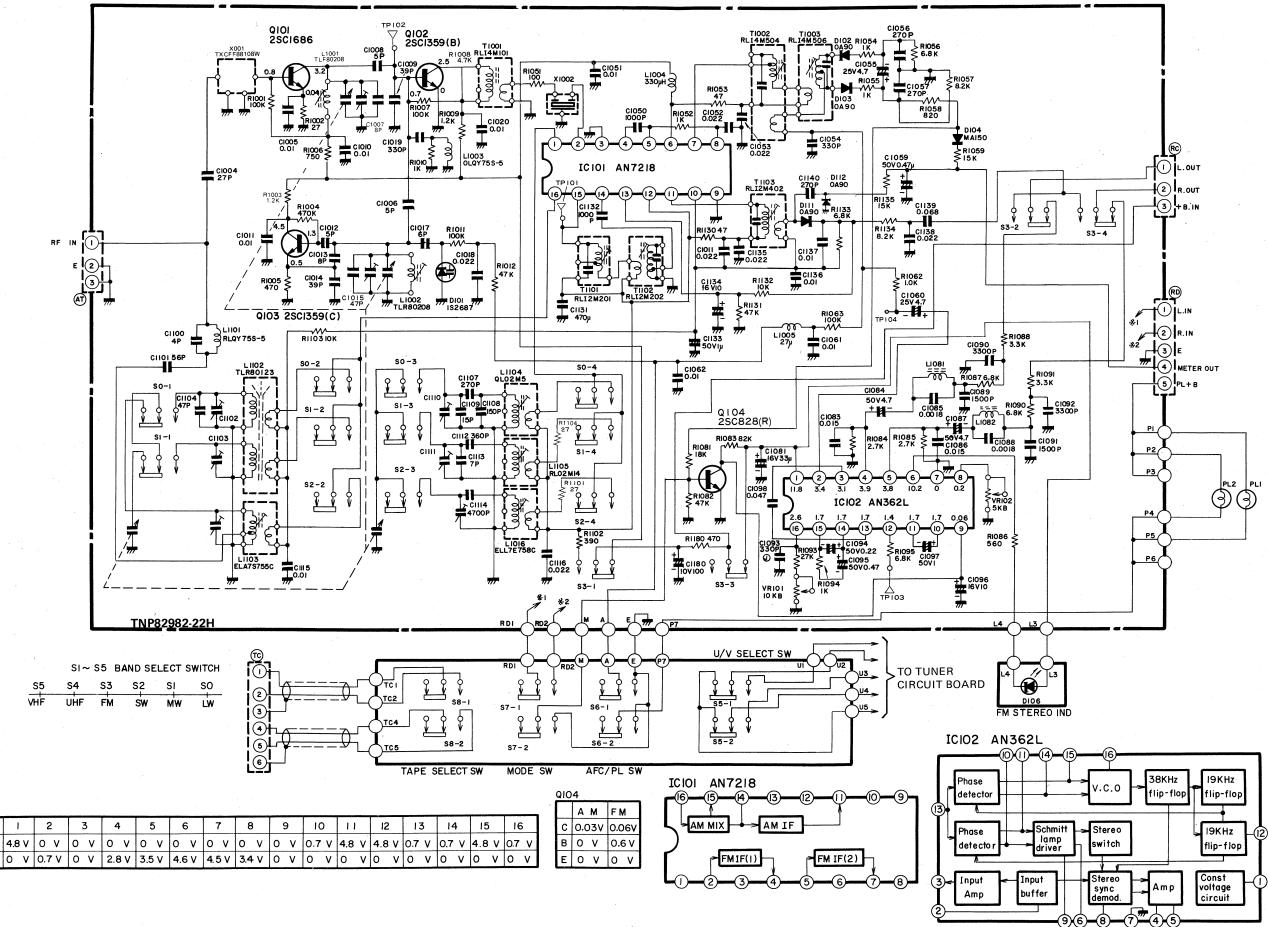
– 20 –

SCHEMA1



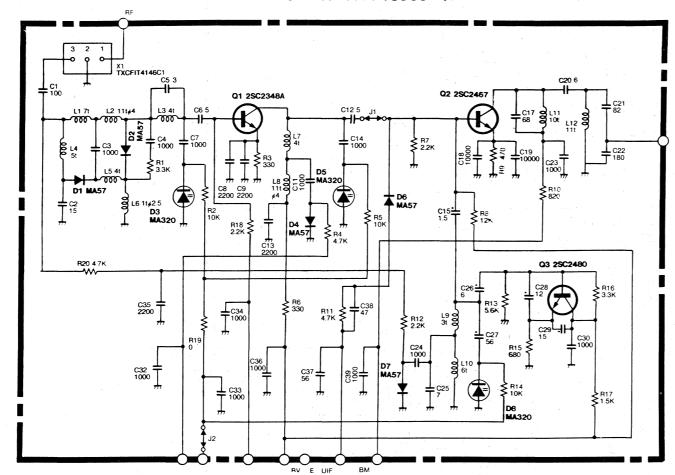
ICIOI																
PINNO	1	2	3	4	-5	6	7	8	9	10	11	12	13	14	15	16
АМ	4.8 V	0 V	0 V	0 V	0 V	0 V	0 V	0 V	0 V	0.7 V	4.8 V	4.8 V	0.7 V	0.7 V	4.8 V	0.7 V
F M	0 V	0.7 V	0 ٧	2.8 V	3.5 V	4.6 V	4.5 V	3.4 V					0 V			0 V

SCHEMATIC DIAGRAM FOR RADIO-

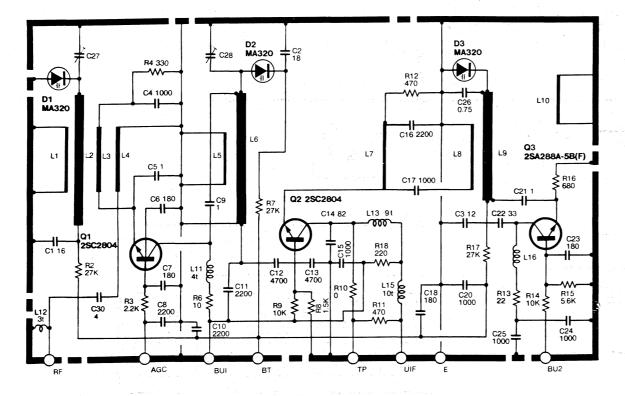


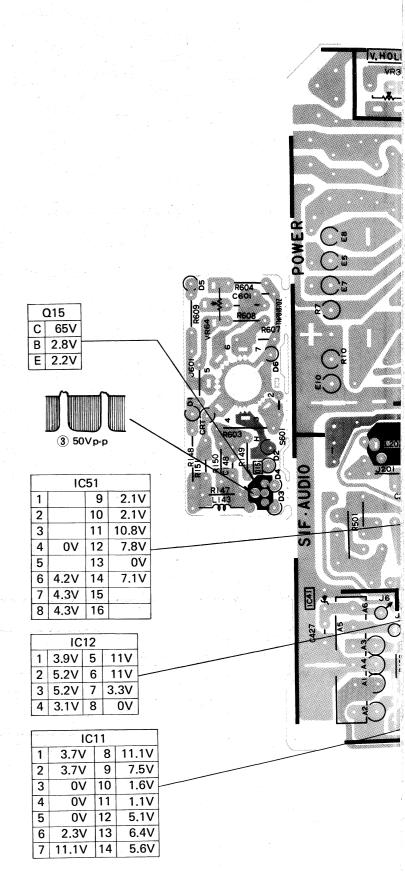
-SCHEMATIC DIAGRAM FOR TUNER -

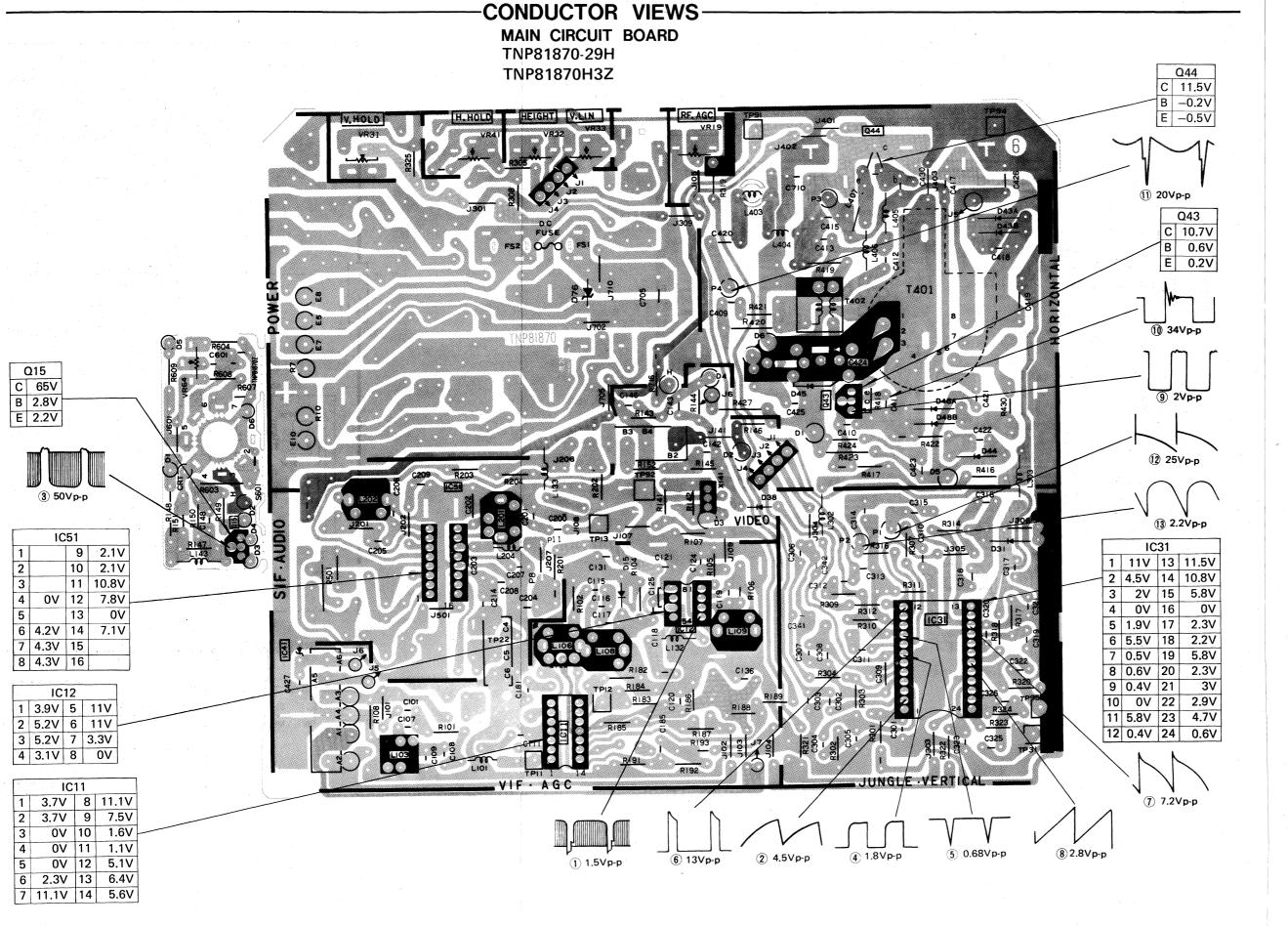
VHF TUNER TNV16908F1F



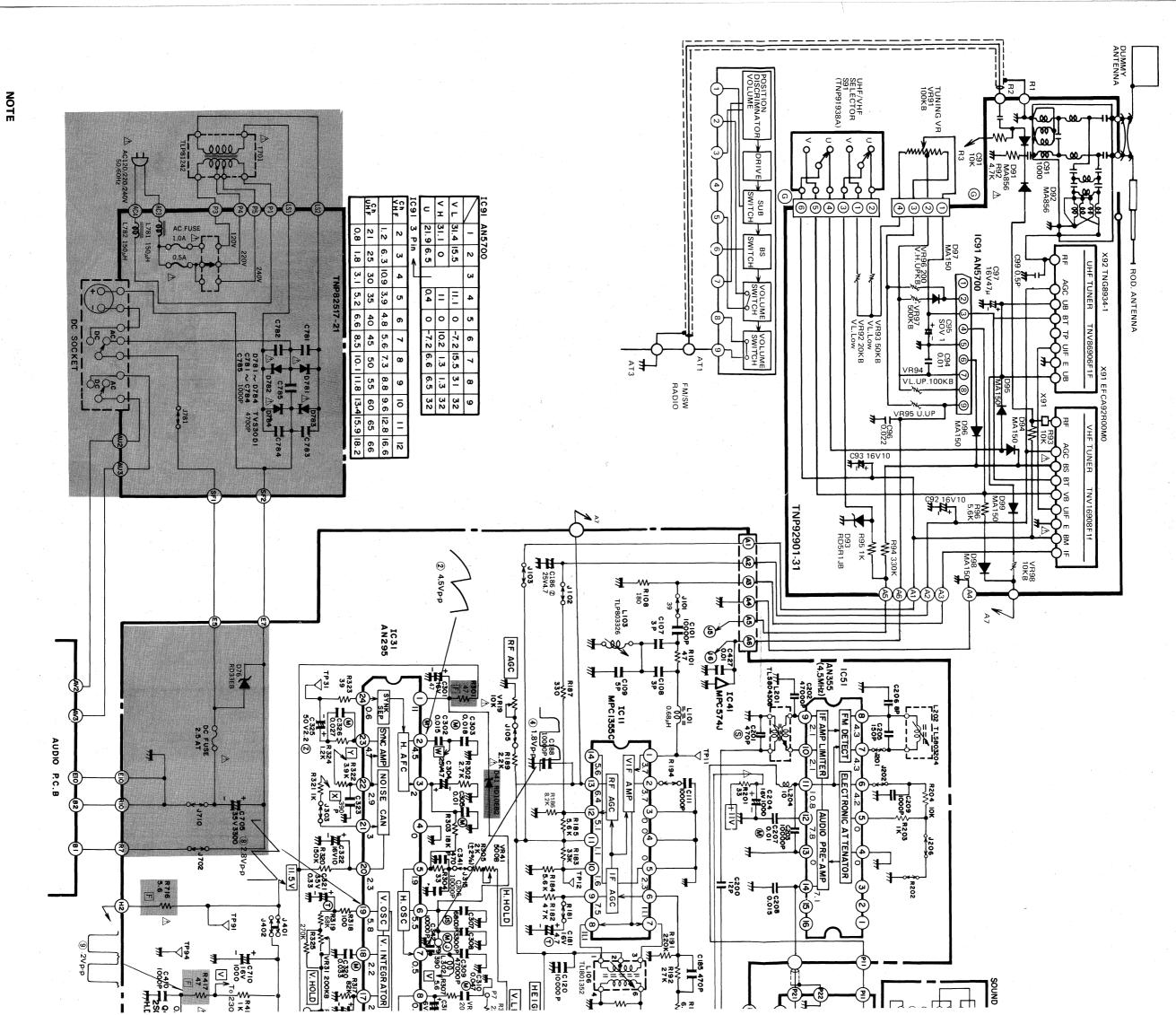
UHF TUNER TNV86906F1F







SCHEMATIC DIAGRAM FOR MODEL TR-1230



1. RESISTOR
All resistors are of Unit of resistance

on 1/4W resistor, unless otherwise noted the following OHM (Ω) , (K=1,000,M=1,000,000)

. TEST POINT eg

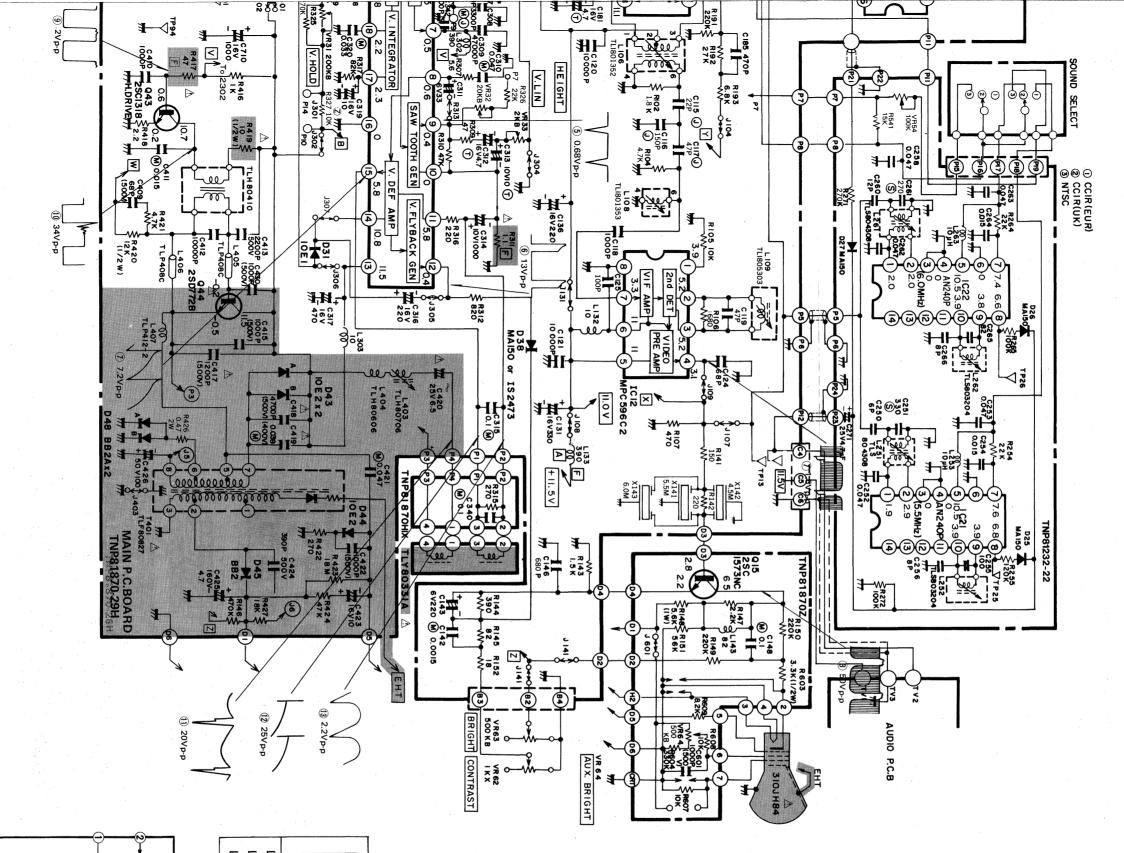
: Test point position

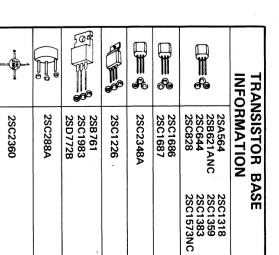
VOLTAGE MEASUREMENT
Voltage is measured by a volt ohm meter with DC when all controls are set to the maximum position.

COIL Unit of inductance is μ H.

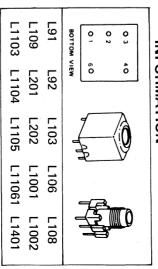
CAPACITOR
All capacitors are ceramic 50V capacitor,
Unit of capacitance is µF, unless otherwis

R-1230X (CHASSIS (CHASSIS MODEL NO. 12B01-A/E) 12B01)

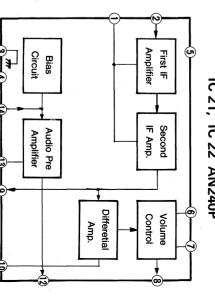




TRANSFORMER INFORMATION **TERMINAL**

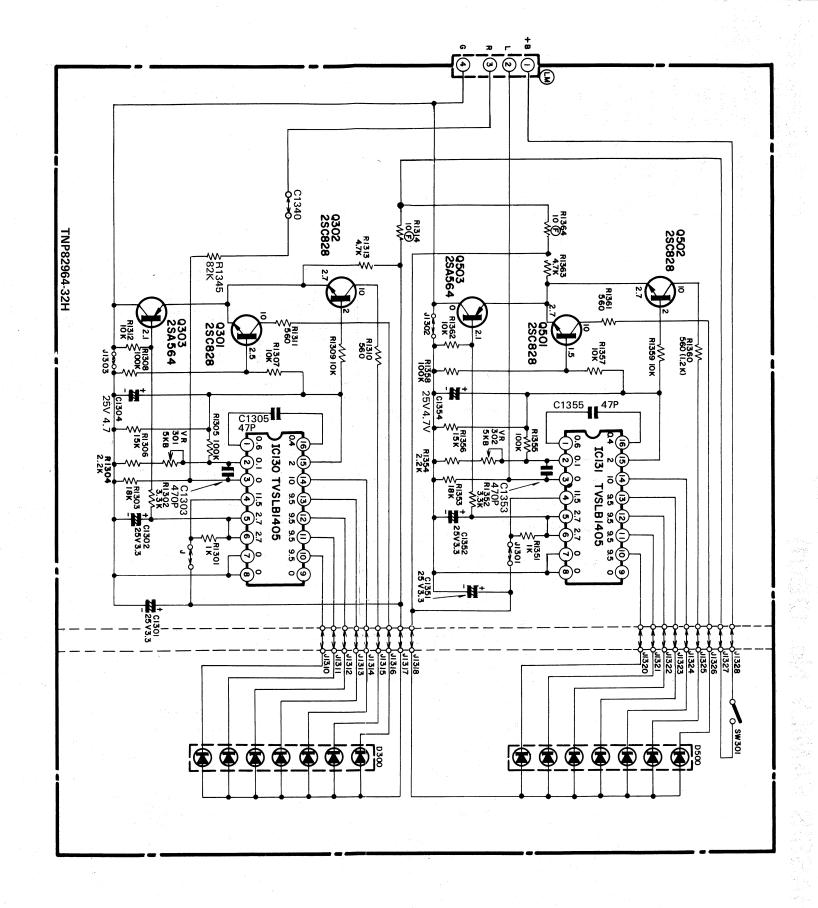


IC 21, IC 22 AN240P

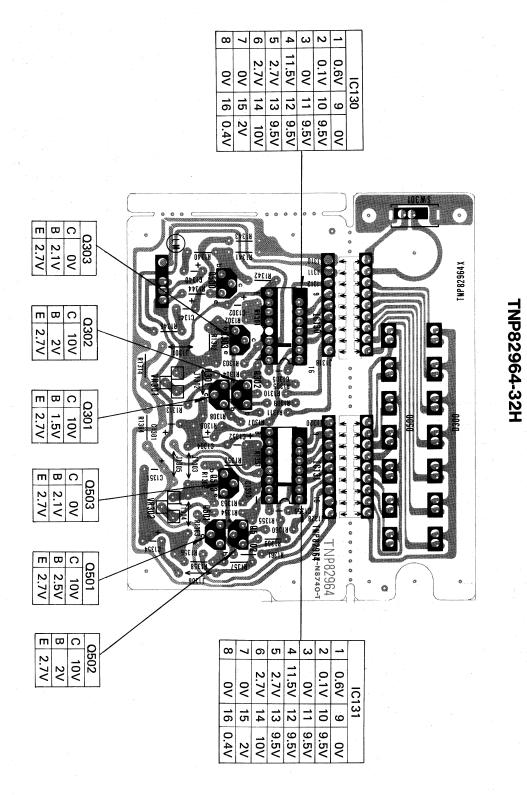


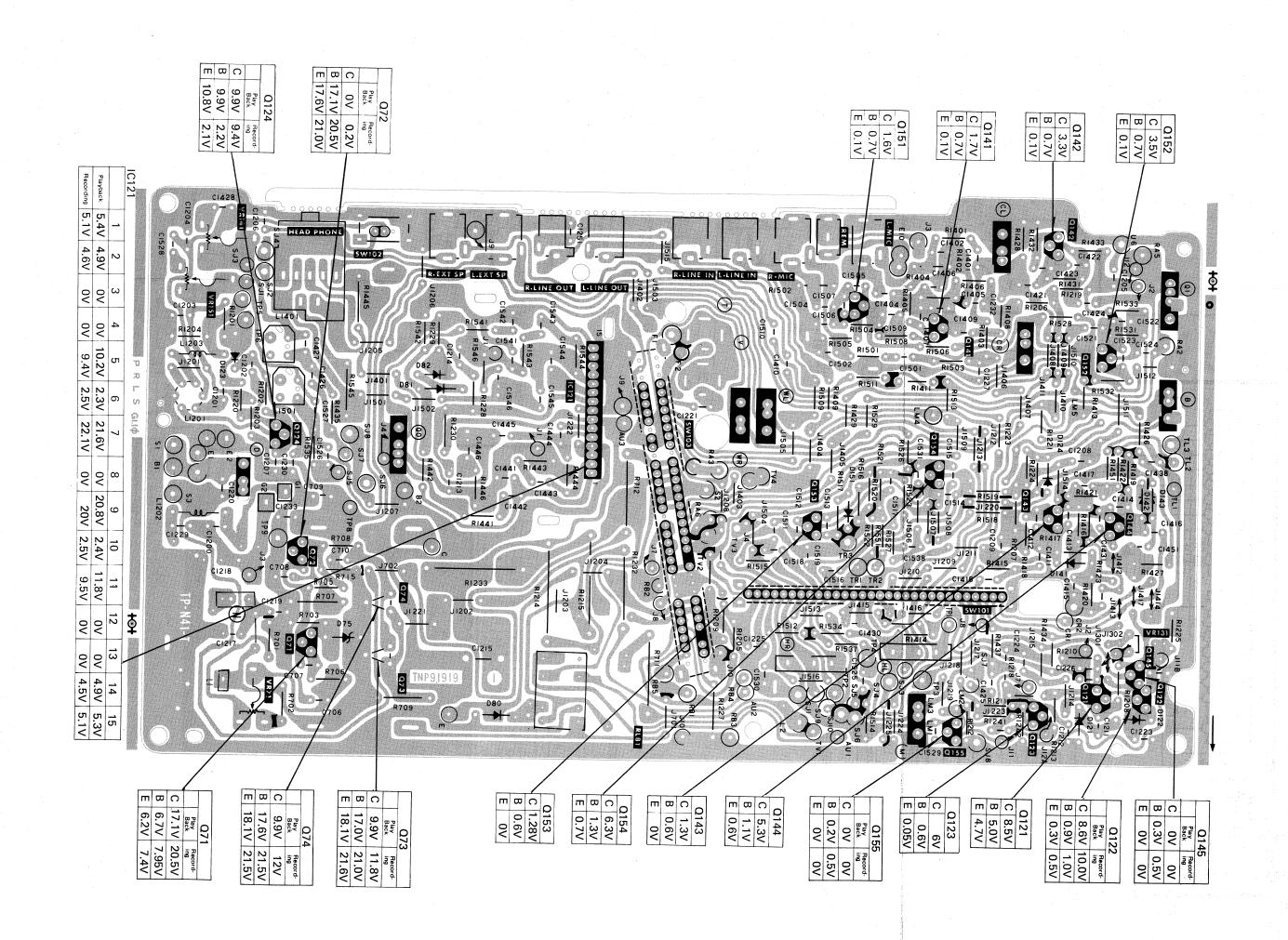
IMPORTANT SAFETY NOTICE

THE COMPONENTS IDENTIFIED BY SHADING AND THE INTERNATIONAL SYMBOL
ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS.
WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THOSE CRITICAL COMPONENTS

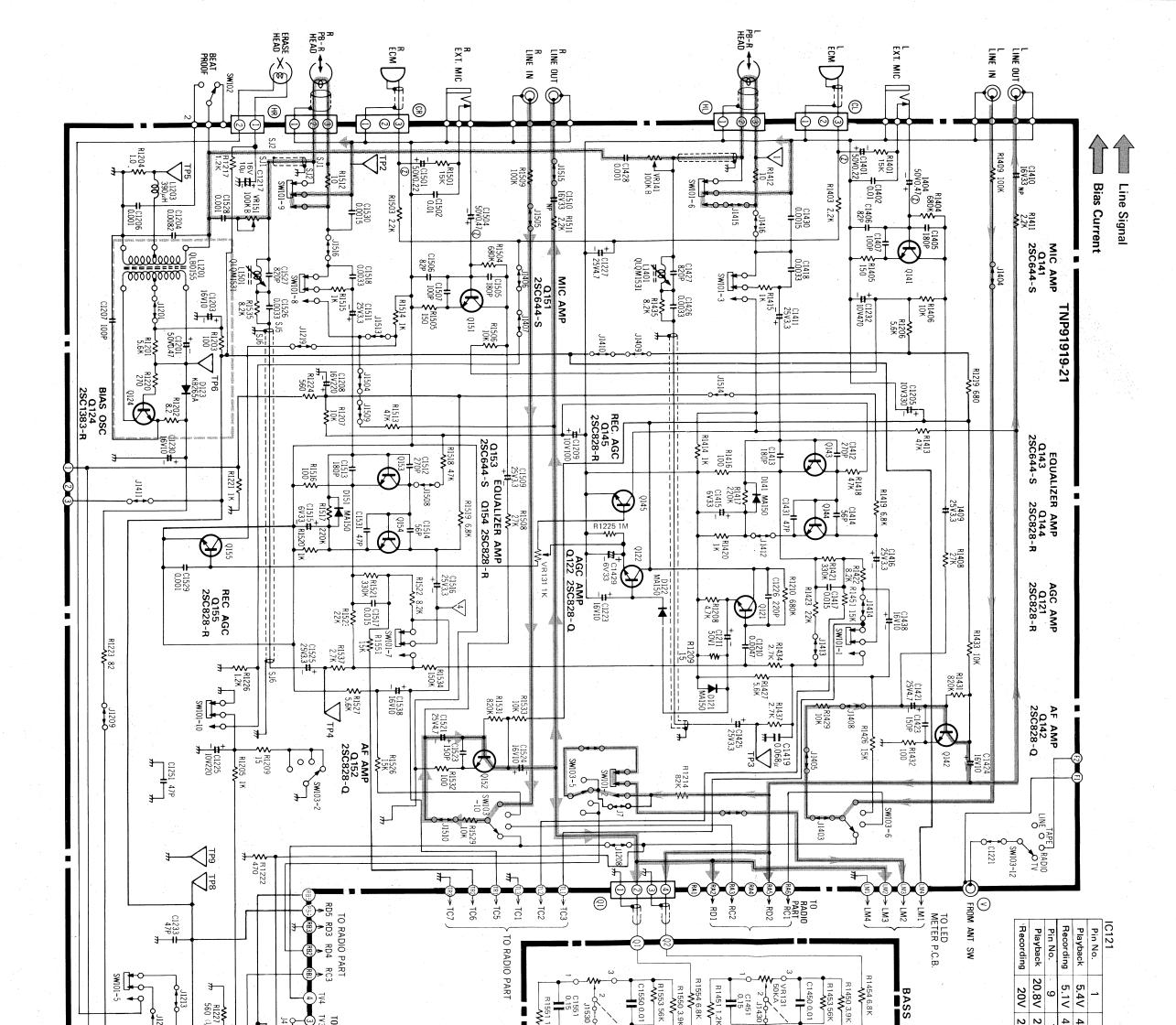


LED METER CIRCUIT BOARD

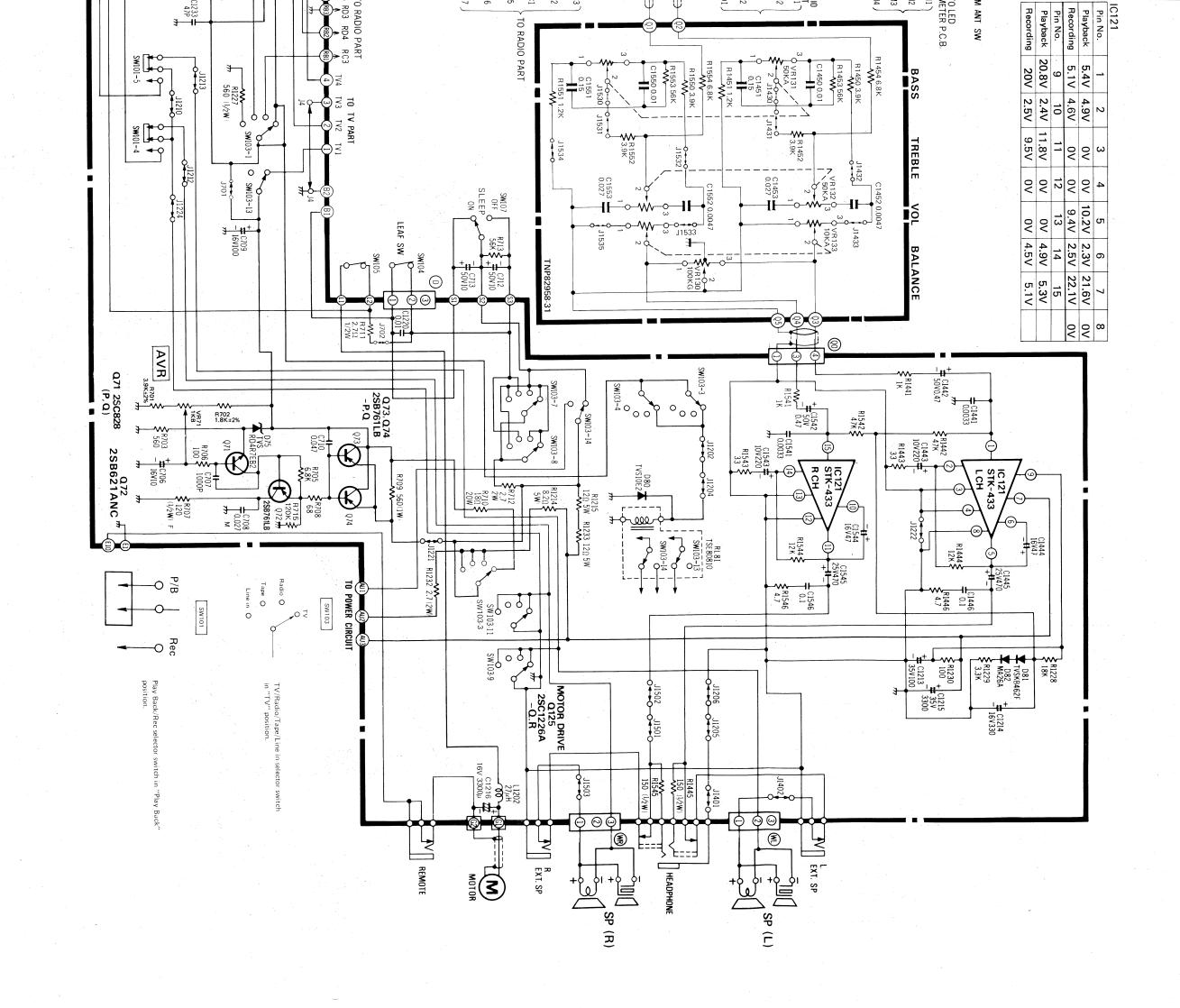




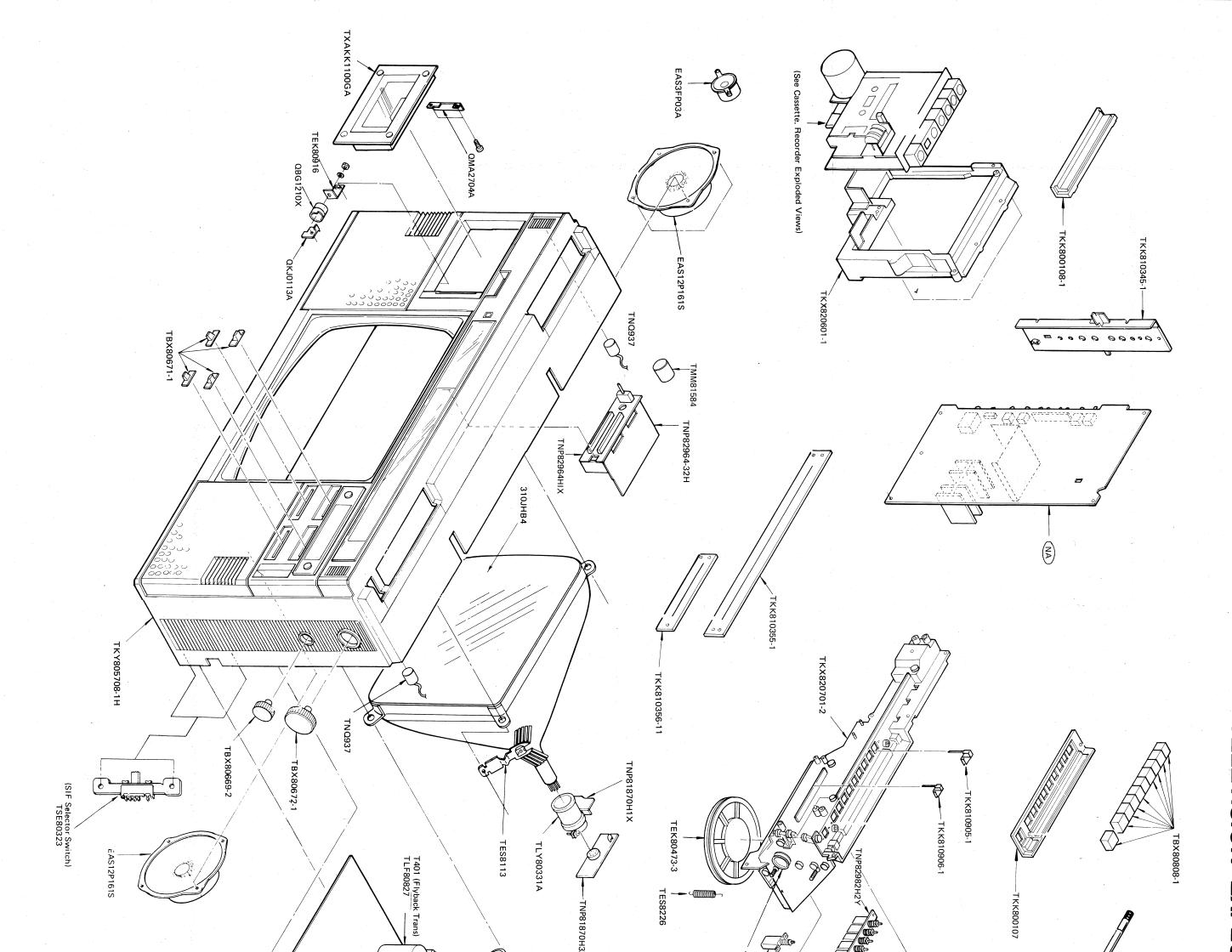
-SCHEMATIC DIAGRAM FO



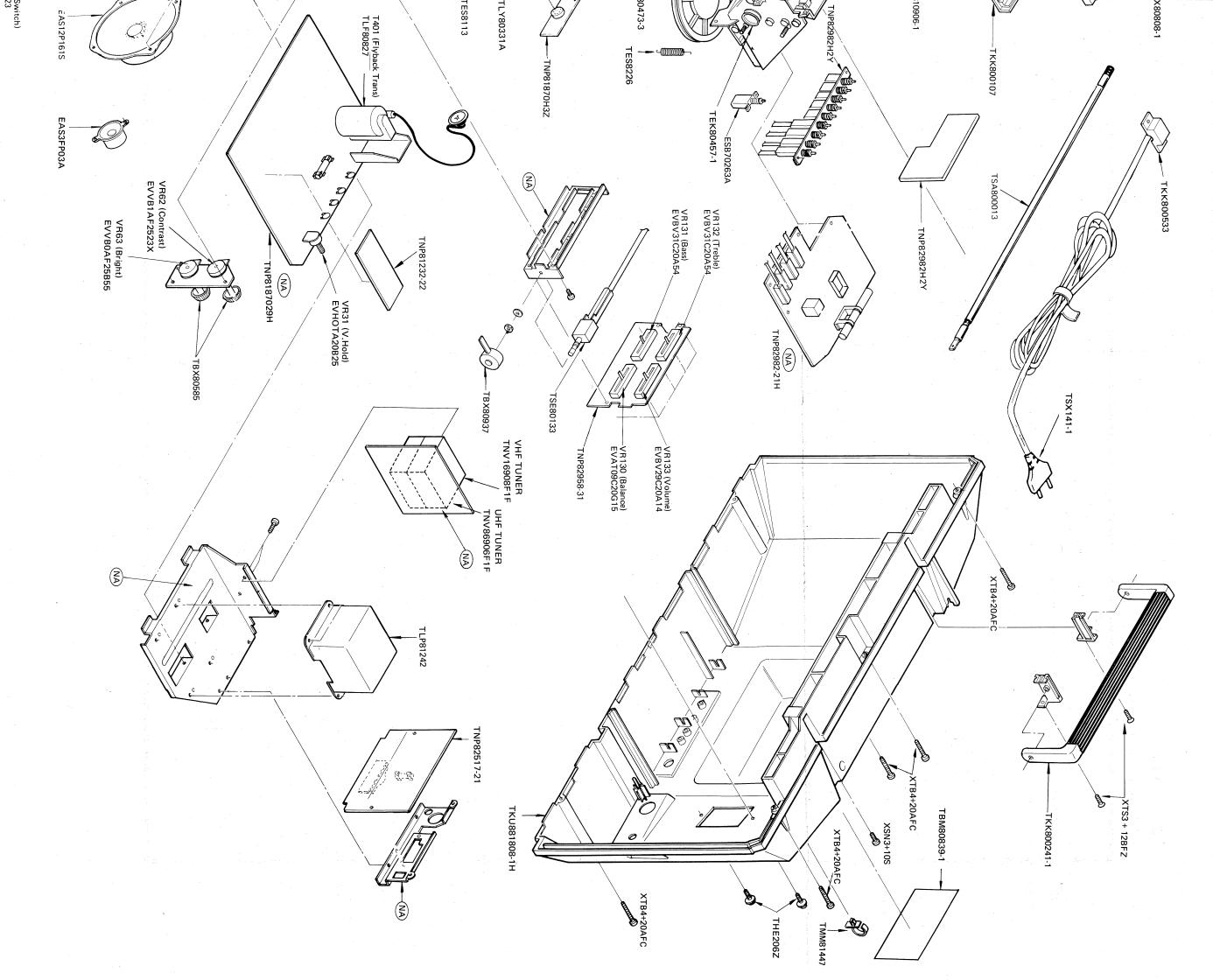
 Play Back
 Record Flay Ing
 Play Back
 Play Ing
 Play Ing
 Play Ing
 Record Ing
 Play Ing
 Play



TELEVISION EXPLO

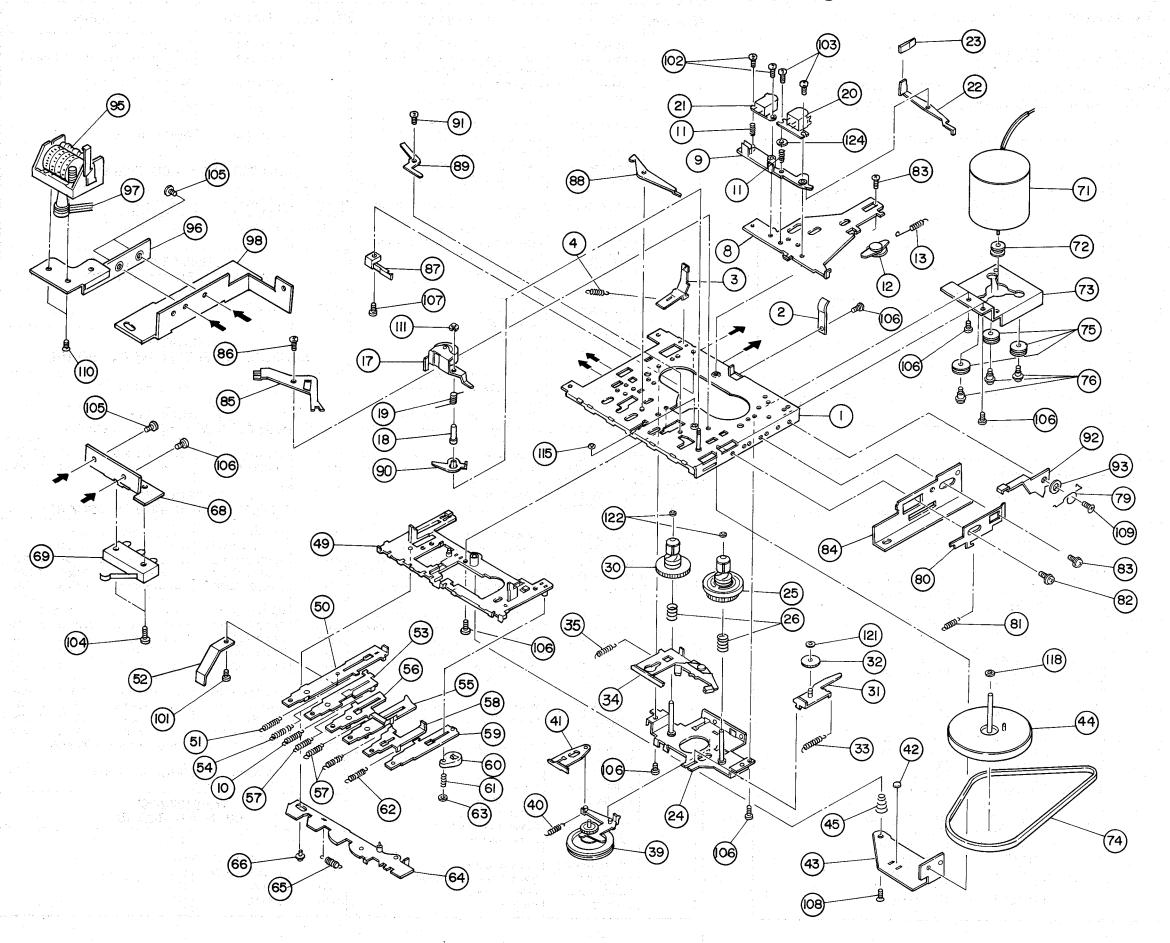


N EXPLODED VIEWS



NOTE: Parts or Components marked with (NA) and unlisted are not available as a replacement parts.

CASSETTE RECORDER EXPLODED VIEWS



CASSETTE MECHANISM REPLACEMENT PARTS LIST Note: (1) Na Mark: Non available Parts. (2) SMQ Part: TSD Supply Parts.

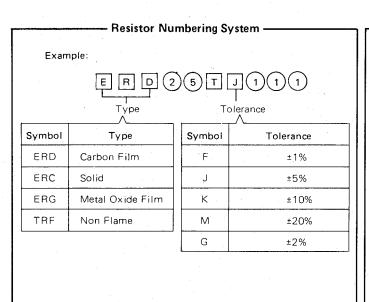
		MQ Part: TSD Supply Parts.
Ref.	Part No.	Description
No.		•
1	MA	Chassis Ass'y
3	SMQ3944	Pack Spring
(4)	SMQ3892 NA	Record Safety Lever (with Spring) Record Safety Lever Spring
8	SMQ3900	Head Panel (with Sensing Plate, Sensing Cap)
9	SMQ3894	Head Base (with Head Spring)
10	SMQ3896	RC Spring
110	SMQ3898	Head Spring
(B)	SMQ3902	Take up Roller Ass'y (with Spring) Take up Roller Safety Spring
0	SMQ3904	Pinch Roller Ass'y (with Arm Sleeve Spring)
<u>(8)</u>	(NA)	Pinch Roller Arm Sleeve
(19)	(NA)	Pinch Roller Spring
20	TNQ8946 TNQ8938	Play Record Head
20 22	NA NA	Erase Head Sensing Plate
23	NA	Sensing Cap
24	NA)	Reel Rest Ass'y
25	SMQ3906	Take up Reel Ass'y
26 30	NA SMQ3910	Spring Supply Reel Ass'y
3	SMQ3916	F.F. Idler Arm Ass'y (with Center Gear)
32	(NA)	Center Gear
(33)	SMQ3918	F.F. Gear Plete Spring Main Plate Ass'y
34) 35)	SMQ3922	Main Plate Ass y Main Plate Spring
39	(NA)	RF Clutch Ass'y
(0)	SMQ3926	RF Clutch Arm Spring
(I)	SMQ3928	Rwd Spring
43	SMQ2538	Flywheel Plate Flywheel Holder
4	SMQ3930	Flywheel Capstan
(5)	SMQ3932	Spring
49	(NA)	Push Button Base Record Button Lever Ass'y
(5) (5)	SMQ3956 SMQ3958	Record Button Lever Ass y
52	TES8191	Record Spring (Storer)
53	SMQ3960	Play Button Lever Ass'y
S4 @	SMQ3962 SMQ3964	Play Button Lever Spring
55 56	SMQ3966	F.F. Button Lever Ass'y Rwd Button Lever Ass'y
57	SMQ3968	Button Lever Spring
68	TUX80558	Stop Button Lever
69 60	SMQ3972 SMQ2444	Pause Button Lever Ass'y Pause Lever
60	SMQ3976	Pause Lever Spring
62	SMQ3974	Pause Bütton Lever Spring
63 64	SMQ3978	Pause Lever Stopper
66	SMQ3940	Push Button Actuator Ass'y Push Button Actuator Spring
66	(NA)	Actuator Shaft ®
· 68	NA TOFOCOS	Switch Bracket
70	TSE80607 MMT3SF2BJ	Micro Switch Motor
72	TNQ8948	Motor Pulley
(3)	NA	Motor Bracket
(%) (%)	TMM82514 SMQ1834	Main Belt Motor Rubber
76	SMQ1908	Special Screw (S)
79	TES8245	Eject Kick Lever Spring (H)
80	TUX80564 TES8246	Eject Slide Lever
80	SMQ3952	Eject Slide Lever Spring (V) Eject Special Screw
83	SMQ3950	Special Screw
84	TUX80547	Eject Bracket
8 5	SMQ3982 SMQ3984	Arm Lever Arm Lever Special Screw
86°	TSE80916	Reef Switch
88	(NA)	RC Kick Lever
89	NA)	Center Lever
90	NA SMQ3984	Arm Lever (A) Special Screw
92	TUX80565	Eject Kick Lever
93	(NA)	Eject Kick Lever Coller
95 96	TNQ8939-1	Counter
97	TMM82515	Counter Bracket Counter Belt
· (8)	(NA)	Side Bracket (L)
.00	XSN2+4	Screw (M2 x 4)
. (10)	XSN2+8 XSN2+7	Screw (M2 x 8) Screw (M2 x 7)
(8)	XSN2+10	Screw (M2 x 7)
905	X\$N26+5	Screw (M2.6 x 5)
(%) (m)	XSN26+4	Screw (M2.6 x 4)
(0)	XSN26+5 XSN26+12	Screw (M2.6 x 5) Screw (M2.6 x 12)
(8)	XSS26+8	Screw (M2.6 x 8)
(1)	XSS3+6S	Screw (M3 x 6)
(1)	XUC2FT SMQ1402	E. Ring Nylon Washer (1.8 x 5 x 10.3)
18	SMQ3934	Nylon Washer (2.05 x 4 x 10.5)
(2)	XWE12	Washer (1.2 x 3 x 10.25)
(B)	SMQ3914	Washer (1.6 x 3.8 x 10.3)
W	XWE2	Washer (2.1 x 5 x 10.4)

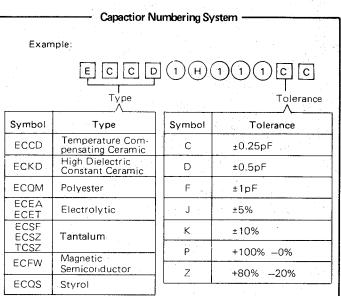
-REPLACEMENT PARTS LIST-

🗆 Important Safety Notice 💳

Components identified by the International symbol \triangle have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

Note: TNP81870-29H (MAIN P.C.BOARD), TNP91919-21 (AUDIO.P.C.BOARD), TNP92901-31 (TUNER P.C. BOARD) and TNP82982-22H (RADIO P.C. BOARD) are not available as a complete printed circuit board.





Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
TKY TKK TKK TKK TKK TKK TKK		Description ND CHASSIS PART Front Cabinet Ass'y Rear Cover Ass'y Cord Holder Cassette Knob Dish Line Terminal Board TV Indicator Plate (With Front Cabinet) Rive (With Front Cabinet) TV Transparence Plate (With Front Cabinet) Handle Complete Radio Knob Dish	Ref. No.	TBX80669-2 TBX80937-1 TBX80671-1 TBX80585 TBX80949-1 TBX80950-1 TBX80951 TEK80457-1 TEK80473-3 TEK80916 TEK80201 TEK80202	TV Tuning Knob Knob TV/Radio Tape/Line Selector Slide Knob Rear Knob Cassette Knob (A) Cassette Knob (B) Cassette Knob (C) TV Pulley Radio Pulley Damper Roller (Big) Roller (Small)
TKK TKK TKK TKK TKK TKK TKX TKX TKX TKX	(810355-1 (810356-11 (810903 (810905-1 (810906-1 (810916 (KK11200GA) (810701 (820601-1 (820701-2 (8055033 (80839-1) (80808-1)	Radio Indicator TV Indicator Radio Reflection Plate Radio Dial Guide TV Dial Guide TV Reflection Plate Cassette Cover Complete Cassette Cover Holder Cassette Bracket Radio Bracket Chassis Cover Model Plate Push Knob Radio Tuning Knob	Δ Δ Δ	TEK80438 TEK80439 TEK80446 TEK80491 TES8113 TES8191 TES8226 TMM81447 TMM81584 XBA1C05NS5 XBA1C10NS5 310JHB4 TLP81242 TLY80331A	Shaft Radio Tuning Shaft Roller Shaft TV Tuning Shaft Spring (CRT) Spring Coil Spring Cord Hook Microphone Rubber Fuse (AC) 0.5A Fuse (AC) 1A Picture Tube Power Trans. Deflection Yoke

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	TNP81870H3Z TNP81870H1X TNP82517-21 TNP91919-21 TNP82958-31	Picture Tube Socket P.C. Board Ass'y Deflection Yoke P.C. Board Ass'y Power P.C. Board Ass'y Audio P.C. Board Ass'y Tone P.C. Board Ass'y	·	TQB811587 TQB810587 TQB62996 TQE616 TQD8118155	Fun Bag TR1230X (Instruction) Book TR1230X (In Fun Bag) SS Seet (In Fun Bag) Bag (In Fun Bag) Warrnty Card (In Fun Bag)
	TNP82964-32H TNP82964H1X	Led Meter P.C. Board Ass'y Led P.C. Board Ass'y		TJS898200	Pulg (In Fun Bag)
	TNP92901-31 TNP82982-22H TNP82982H1X	Tuner P.C. Board Ass'y Radio P.C. Board Ass'y Stereo Led P.C. Board Ass'y		TNP82964H1	X LED P.C.BOARD
	TNP82982H2Y TNP81232-22 TNQ8940A	8-Range Selector Switch P.C. Board Ass'y Sub SIF P.C. Board Ass'y Cassette Ass'y (Non Available Parts)	D300 D500 SW301	LN07201PF LN07201PF TSE80328	7-Range Led Meter 7-Range Led Meter Led On-Off Switch
	EAS12P161S EAS3FP03A	Speaker (Woofer) Speaker (Tweeter)			P82982H1X ED P.C. BOARD
Δ	TNQ937 TSA800013 TSX141-1	Microphone Rod Antenna Power Cord	D106	LN28RP	Stereo Led
<u>A</u>	TSX8365 ESB70263A	Car Cord Power Switch	8-F		82982H2Y CTOR SW P.C. BOARD
	TSE80332 TSE80427 TSE80428	Sound IF Selector Switch MW/SW/FM Selector Switch LW Selector Switch		TSE80422	8-Range Selection Switch
C712	TSE80133 ECEA1HS010	TV/Radio/Tape/Line Function Switch Electrolytic 1µF 50V		TNP:	81870H1X YOKE P.C.BOARD
C713 R713 VR62	ECEA1HS010 ERD25FJ563K EVVB1AF2523X	Electrolytic 1μF 50V Carbon 56KΩ J ¼W Contrast Control	C340 R315	ECQM1H104JZ ERD25FJ271K	Polyester Capacitor 0.1μF J 50V Carbon Resistor 270Ω J ¼W
VR63 VR91	EVVB0AF25B55 EVHBJA095B15	Bright Control Tuning Control		TNP PICTURE TUB	81870H3Z E SOCKET P.C.BOARD
	TJC80328-1 TXAJT3P226 TXAJT3P228 TXAJT3P268 TXAJT3P230	Antenna Terminal 3P Mini Connector Ass'y (Sleep Sw) 3P Mini Connector Ass'y (Microphone) 3P Mini Connector Ass'y (Microphone) 3P Mini Connector Ass'y (Speaker)	Q15 L143 C148 C601 R147	2SC1573NC TLU820K106C ECQM1H104JZ ECKD2H102KB2 ERD25FJ222K	Transistor (Video Output) Peaking Coil 82μH Polyester Capacitor 0.1μF J 50V Ceramic Capacity 1000pF K 500V Carbon Resistor 2.2ΚΩ J ¼W
	TXAJT3P231 TXAJTX5P061 TXAJT3P248	3P Mini Connector Ass'y (Speaker) 5P Mini Connector Ass'y (SIF Switch) 3P Mini Connector Ass'y (Contrast Bright V R)	R148 R149 R150 R151	ERG1ANJ562 ERD25FJ224K ERD25FJ224K ERD25FJ563K	Metal Oxide Resistor 5.6KΩ J ¼W Carbon Resistor 220KΩ J ¼W Carbon Resistor 220KΩ J ¼W Carbon Resistor 56KΩ J ¼W
	TXAJTC4P252 TUW81940	4P Mini Connector Ass'y (VR91 Tuning) Antenna Bracket	R603	ERC12GJ332	Solid Resistor 3.3KΩ J ½W Carbon Resistor 330KΩ J ½W
	TUW81950-3 TUW81382 TUX80992B TUX80988-3C TUW80601-2	Power Bracket (Non Available Parts) Control Bracket (Non Available Parts) Cassette Cover Bracket CRT Earth Bracket (SIF Selector) Switch Bracket	R604 R607 R608 R609 VR64	ERD25FJ334K ERD25FJ103K ERD25FJ103K ERD25FJ822K EV LS0JA00B55	Carbon Resistor $10 \text{K}\Omega$ J 1/4W Carbon Resistor $10 \text{K}\Omega$ J 1/4W Carbon Resistor $8.2 \text{K}\Omega$ J 1/4W Sub. Bright Control $500 \text{K}\Omega\text{B}$
	XTB4+20AFZ THE399-2 THN2967P	Screw (Rear Cover) Screw (CRT) Nut (Indicator)			Picture Tube Socket 1870-29H P.C. BOARD
	XTB4+10AFN XTB4+35A	Screw (Tone Pwb) Screw (Audio)			I. C.
	XTV3+10AFN TPC821011 TXAPD31200 TPE814017	Screw (Led Pwb) (Outer) Carton TR1230X Filler Complete Set Cover	IC11 IC12 IC31 IC51	TVSMPC1355C TVSMPC596C2 AN295 AN355	I.C. I.C. I.C.

TRANSISTORS 043	Ref. No.	Part No.	Descripti	on	Ref. No.	Part No.	D 4	escription	1	
TRANSISTORS	IC41	TVSMPC574J	I.C.		11	į.	1	220µF		6.3V
Q43		1 : :			11			680pF	K	50V
250772BLB Transistor 25072BLB Transistor 25072BLB 25		TRA	NSISTORS					4.7μ F		16V
DIODES	2/13	L 29C1318	1 Transistor		C185	ECKD1H471KB2	Ceramic			
Diode			1		C186	ECEA25Z4R7	Electrolytic	4.7μF		25V
D38			UODES	-	C188	ECKD1H103PF2	Ceramic	0.01μF	Р	50V
DA39					C200	ECCD1H120J	Ceramic	12pF	J	50V
D438					C201	ECQS1471JWT	Styrol	470pF	J·	100V
D438		1			C202	ECKD1H473ZF	Ceramic	$0.047 \mu F$	Z	50V
D41			'			ECKD1H103PF2	Ceramic	0.01 µ F	Ρ	50V
D44		1	1			'				
D445 TVSIDE2 Diode C206 ECQD1H080CC Ceramic 7.7 Column (2007) Ceramic 0.01 Diode C207 ECQM1H103LZ Polyester 0.01 Diode C001 C208 ECQM1H163LZ Polyester 0.01 Diode C001 C209 ECKD1H102KBZ ECGM1H153LZ Polyester 0.01E Diode C209 ECKD1H102KBZ ECGM1H153LZ Polyester 0.01E Diode C209 ECKD1H102KBZ ECGM1H153LZ Polyester 0.01E ECEA1CS470 ECGM1H153LZ ECGM1H153LZ Polyester 0.01E EcCA1ES477 ECGM1H153LZ Polyester 0.01E EcCA1ES477 ECGM1H153LZ Polyester 0.01E EcCA1ES477 ECGM1H103LZ Polyester 0.01E EcCA1ES477 ECM1H103LZ Polyester 0.01E EcCA1ES477 ECM1H103LZ Polyester 0.01E EcCA1ES477 ECM1H103LZ Polyester 0.01E ECCA1H103PF2 CCA1E CCA2E ECCA1H103PF2 CCA1E ECCA1H103PF2 ECCA1H103PF2 CCA2E ECCA1H1473LZ ECCA1H1	D41 🛆	TVSRD6R2EB2	Diode		C204	ECEA1CS102	Electrolytic	1000μF		16V
D45 TVS3DL2 Diode C207 ECQM1H103JZ Polyester 0.016 D48A TVS3DL2A Diode C209 ECQM1H103JZ Polyester 0.016 D76 TVSRD33EB Diode C209 ECRD1H102KBZ ECRM1H183JZ Polyester 0.016 L101 TLUR68M106C Peaking Coil 0.68μH C303 ECGM1H183JZ Polyester 0.018 L108 TLI801352 Video IF Trans. C306 ECQM1H180JZ Polyester 0.018 L108 TLI801353 Video IF Trans. C306 ECQM1H103JZ Polyester 0.018 L109 TLI806303 Video IF Trans. C306 ECQM1H103JZ Polyester 0.018 L133 TLU391K106C Peaking Coil 10μH C310 ECGM1H173JZ Ceramic 0.047 L202 TLIS80320A Sound-IE Input Coil C311 ECEA1S330 Polyester 0.047 L203 TLU10K166C Peaking Coil 10μH C311 ECEA1GA173JZ Polyester						ECCD1H151JP	Ceramic	150pF	J	50V
D48A TVS3D12A Diode C208 ECQM1H163JZ Polyester 0.018 D48B TVS3D12A Diode C208 ECXM1H163JZ Polyester 0.018 D76 TVS3D12A Diode C209 ECKD1H102KB2 Caramic 1000 COILS & TRANSFORMERS C301 C2091 ECEA1CS470 ECCM1H183JZ Coramic 40 L101 TLIB03326 Video IF Trans. C303 ECCM1H183JZ Polyester 0.018 L108 TLIB03329 Video IF Trans. C306 ECXD1H103PF2 Caramic 0.018 L109 TLIB030303 Video IF Trans. C306 ECXD1H103PF2 Caramic 0.01 L132 TUU100K106C Peaking Coil 10µH C309 ECCM1H137JZ Polyester 0.04 L201 TLS804308 Sound-IF Input Coil C310 C310 ECCM1H473JZ ECCM1H473JZ ECCAD1H33Z Polyester 0.047 L303 TLU100K106C Pasking Coil 10µH C312 <td< td=""><td>D44</td><td>TVS10E2</td><td>Diode</td><td></td><td>C206</td><td>ECCD1H080CC</td><td>Ceramic</td><td>7pF</td><td>C</td><td>50V</td></td<>	D44	TVS10E2	Diode		C206	ECCD1H080CC	Ceramic	7pF	C	50V
D488	D45	TVS3DL2	Diode			ECQM1H103JZ	Polyester	0.01µF	J	50V
DASPED Diode D	D48A	TVS3DL2A	Diode			ECQM1H153JZ	Polyester	0.015µF	J.	50V
COILS & TRANSFORMERS	D48B	TVS3DL2A	Diode							
COILS & TRANSFORMERS	D76	TVSRD33EB	Diode		C209	ECKD1H102KB2	Ceramic	1000pF	K	50V
COLLS & TRANSFORMERS C302 ECOM1H163JZ Polyester O.01E				· · · · · · · · · · · · · · · · · · ·		ECEA1CS470	Electrolytic	47μF		16V
TLUR68M106C		COILS &	RANSFORMERS					0.015µF	J	50V
TLI803326	1.101	LTI LIDCOMAGO	I Danking Cail. 0.6	201.1		the state of the s	1 '	0.018µF	J	50V
TLI801352				ομΠ	11	1	1	4.7µF		25V
L108 TL801363 Video IF Trans. C306 ECMH1H03PF2 Ceramic 0.01 L132 TUU100K106C Peaking Coil 10μH C308 ECM06332JZ Styrol 680C L133 TLU391K106C Peaking Coil 390μH C309 ECM06332JZ Polyester 300 L201 TLS804308 Sound-IF Input Coil Sound-IF Input Coil C311 ECCM1H1473JZ Polyester 0.047 L204 TLU100K106C Peaking Coil 10μH C311 ECEA0US330 Electrolytic 38 L302 TLU391K106C Peaking Coil 10μH C312 ECS210EF22N Tantal 4.7 L403 TLH80706 Horiz. Width Coil C313 ECS210EF22N Tantal 1.0 L405 TLP408 Choke Coil C316 ECM1H103JZ Electrolytic 12 L406 TLP408 Choke Coil C319 ECEA1CS21 Electrolytic 16 L407 TLF80827 TcH80410 Horiz. Drive Trans. C32 <td></td> <td></td> <td></td> <td></td> <td> 000 .</td> <td></td> <td></td> <td>•</td> <td></td> <td></td>					000 .			•		
TLIBOS303		l '	•		C305	ECOM1H103JZ	Polvester	0.01 " F	J	50V
L132			Í				1 '	0.01μF	P	50V
L132	L109	1 F1802303	Video IF Trans.	.*	11		1	6800pF	J	100V
TLU391K106C							1	3300pF	j .	50V
TLS804308 Sound-IF Input Coil Sound-IF Input Coil TLS804308 Sound-IF Input Coil Sound-IF Input Coil TLU100K106C Peaking Coil 10μH C311 ECEA0JS330 Electrolytic 33 ECSZ10EF22N Tantal 4.7 Tantal 4.		1 .	_	•		-	1 '		Z	50V
L202		1		0μΗ	C309	ECKD IN473ZI	Ceramic	0.047 µ 1	- 4-	30 V
Caramic Car		1			0010	ECON411147217	Dalyontor	0.047.E	J	50V
L302 TLU391K106C Peaking Coil 390µH C313 ECSZ10EF22N Tantal 10 10 10 10 10 10 10 10 10 10 10 10 10		TLS803204	1 · · · · · · · · · · · · · · · · · · ·		III '		1		J	6.3V
L302	L204	TLU100K106C	Peaking Coil 10	DμH	- 11		1	33 µ F		
L303			**		11		1 1	4.7μF		16V
TLH80706	L302	TLU391K106C	Peaking Coil 390	HΨC	11		i	10 μ F		16V
L404 TLH80606 Horiz. Lin. Coil C315 ECQM1H104JZ Styrol 0.1 L405 TLP408 Choke Coil C316 ECEA1CS221 Electrolytic 220 L406 TLP408 Choke Coil C319 ECEA1CS211 Electrolytic 476 L407 TLP412-2 Choke Coil C320 ECOM1H333JZ Polyester 0.03 T401 Δ TLF80827 Flyback Trans. C320 ECM1H333JZ Polyester 0.03 C101 ECKD1H030CT Caramic 0.01μF P 50V C325 ECEA1CS100 Electrolytic 2.2 C107 ECCD1H030CT Ceramic 3pF C 50V C326 ECEA1H52R2 Electrolytic 2.2 C108 ECCD1H030CT Ceramic 3pF C 50V C341 ECKD1H471KB2 Ceramic 2.2 C111 ECKD1H103PF2 Ceramic 4pF C 50V C341 ECKD1H471KB2 Ceramic Ceramic Ceramic	L303	TLU100K106C	Peaking Coil 10	DμH	C314	ECEA1AS102	Electrolytic	1000µF		10∨
L406	L403	TLH80706	Horiz. Width Coil							
L406	L404	TLH80606	Horiz. Lin. Coil		11	ECQM1H104JZ		0.1µF	J	50V
L406 TLP408 Choke Coil C319 ECEA16Z10E Electrolytic 10 L407 TLP412-2 Choke Coil C320 ECQM1H333JZ Polyester 0.03 T401 TLF80827 Flyback Trans. C320 ECQM1H333JZ Tantal 0.33 C101 ECKD1H103PF2 Ceramic 0.01 μF P 50V C322 ECKD1H471 KB2 Ceramic 470 C107 ECCD1H030CT Ceramic 3pF C 50V C326 ECQM1H273JZ Electrolytic 2.2 C108 ECCD1H030CT Ceramic 3pF C 50V C326 ECM1H471 KB2 Ceramic 470 C109 ECCD1H040CT Ceramic 4pF C 50V C341 ECKD1H471 KB2 Ceramic Ceramic 0.02 C115 ECCD1H220JC2 Ceramic 18pF J 50V C410 ECKD1H102KB2 Ceramic Ceramic 0.02 C117 ECCD1H470J Ceramic 270p	L405	TLP408	Choke Coil			- 1		220 µ F		16V
L407 TLP412-2 Choke Coil C320 ECQM1H333JZ Polyester 0.033 T401 Δ TLF80827 Flyback Trans. C321 TCSZ35EFR33V Tantal 0.33 CAPACITORS CAPACITORS CCAPACITORS CAPACITORS CCAPACITORS CCAPACITORS CAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCAPACITORS CCECD1H4030CT Ceramic Damic Damic App Colspan="6">CAPA Colspan="6">CAPA Colspan="6">CAPA Colspan="6">CAPA Colspan="6">CAPA Colspan="6">CAPA Colspan="6">CAPA Colspan="6">CAP					C317	ECEA1CS471	Electrolytic	470 µ F		16V
T401	L406	TLP408	Choke Coil	*		ECEA16Z10E	Electrolytic	10µF	ه پیده	16V
TLH80410			Choke Coil		C320	ECQM1H333JZ	Polyester	0.033µF	J	50V
CAPACITORS C322	T401 △	TLF80827	Flyback Trans.							
CAPACITORS C323 ECKD1H471KB2 Ceramic 470 C101 ECKD1H103PF2 Ceramic 0.01μF P 50V C325 ECEA1HS2R2 Electrolytic 2.2 C107 ECCD1H030CT Ceramic 3pF C 50V C326 ECKD1H471KB2 Ceramic 0.027 C108 ECCD1H030CT Ceramic 3pF C 50V C341 ECKD1H471KB2 Ceramic 470 C109 ECCD1H040CT Ceramic 4pF C 50V C341 ECKD1H471KB2 Ceramic 470 C111 ECKD1H103PF2 Ceramic 4pF C 50V C342 ECKD1H103PF2 Ceramic 0.02 C115 ECCD1H220JC2 Ceramic 18pF J 50V C410 ECKD1H102KB2 Ceramic Ceramic 270pF J 50V C411 ECKD1H103PF2 Ceramic 0.01 C411 ECKD1H103PF2 Ceramic 0.02 C116 ECKD1H470J Ceramic	T402	TLH80410	Horiz, Drive Trans.		C321	TCSZ35EFR33V	Tantal	$0.33 \mu F$		35V
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			L		C322	ECEA1CS100	Electrolytic	10 μ F		16V
C101 ECKD1H103PF2 Ceramic Ceramic Ceramic Ceramic SpF C SoV C325 ECEA1HS2R2 Electrolytic C226 ECCD1H03OCT Ceramic SpF C SoV C326 ECQM1H273JZ Ceramic Ceramic Ceramic SpF C SoV C326 ECQM1H273JZ Ceramic Ceramic Ceramic Ceramic SpF C SoV C326 ECKD1H103PF2 Ceramic Ceramic		C	APACITORS		C323	ECKD1H471KB2	Ceramic	470pF	Κ	50V
C107	2101			. D E0\/		ECEA1HS2R2	Electrolytic	2.2μF		50V
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1	1			ECQM1H273JZ	Polyester	0.027μF	J.	50V
C109		1								
C111			1		C341	ECKD1H471KB2	Ceramic	470pF	K	50V
C111		· ·				· ·		0.01µF	Р	50V
C115	J111	ECKD1H103PF2	Ceramic 0.01 µF	P 50V	- 11		The state of the s	68pF	K	500V
C115			Learning Commence	_				1000pF	Κ	50V
C116		1			11			0.015µF	J	50V
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1								
C118	2117	ECCD1H470J	Ceramic 39pF	50V	C412	ECKD1H103PF2	Ceramic	0.01µF	Р	50V
C119	C118	ECKD1H102KB2	Ceramic 1000pF	K 50V	11			2200pF	K	500V
C120 ECKD1H103PF2 Ceramic $0.01\mu F$ P $50V$ C417 \triangle ECKD2H122KB Ceramic 1200 C121 ECKD1H103PF2 Ceramic $0.01\mu F$ P $50V$ C418 \triangle ECKD2H472KB Ceramic 2200 C124 ECCD1H680J Ceramic $68pF$ J $50V$ C419 \triangle ECQM4393KZ Polyester 0.038 C125 ECCD1H101JP2 Ceramic 100pF J $50V$ C420 \triangle ECEA25W6R5Z Electrolytic 6.8	C1 19	ECCD1H470J	Ceramic 47pF	50V		1		1000pF	ĸ	500V
C120 ECKD1H103PF2 Ceramic 0.01µF P 50V C418 △ ECKD2H472KB Ceramic 2200 C121 ECKD1H103PF2 Ceramic 0.01µF P 50V C418 △ ECKD2H472KB Ceramic 2200 C124 ECCD1H680J Ceramic 68pF J 50V C419 △ ECQM4393KZ Polyester 0.039 C125 ECCD1H101JP2 Ceramic 100pF J 50V C420 △ ECEA25W6R5Z Electrolytic 6.8		,	La de la companya della companya della companya de la companya della companya del		11			1200pF	K	500V
C121	C120	ECKD1H103PF2	Ceramic 0.01 µF	P 50V	-11	1	ľ	2200pF	K	500V
C124					C418 A	ECND2H4/2NB	Cerannic	2200PF	. 1	500 V
C125			1		C410 A	ECOM4202KZ	Polyostar	0.039µF	K	400V
C121 FOR A CC221 Floatest 200 F 16V C420 ZA ECEA25WORSZ Electrolytic U.S.					- H	1	1		^	
100 C421 ECQM1H473JZ Polyester 0.04.			I to the second of the second		11 - :		I to the state of	6.5 µ F		25V
				100		1		0.047µF	J	50V
C126 ECEA1CC221 Electrolytic 220E 16\/	°136	ECEA1CS221	Electrolytic 220E	16\/	FF	1	1	1000pF	K	500V
C142 ECQM1H182JZ Polyester 1800pF J 50V C423 ECEA2CS100 Electrolytic 10			1		C423	ECEA2CS100	Electrolytic	10µF		160V

Ref. No.	Part No.	D	escriptio	n	<u>.</u>	Ref. N	lo.	Part No.	De	scriptio	า	
C424	ECKD2H391KB9	Ceramic	390pF	K	500V	R325		ERD25FJ274K	Carbon	270ΚΩ	J	14W
C425	ECEA2CS4R7	Electrolytic	4.7μF		160V	R326		ERD25FJ223K	Carbon	22KΩ	J	1/4W
C426	ECEA50V100Y	Electrolytic	100μF		50V	R327		ERD25FJ103K	Carbon	10 K Ω	J	1/4W
C427	ECKD1H103PF2	Ceramic	0.01μ F	Р	50V	R416		ERD25FJ102K	Carbon	1ΚΩ	J	14 W
C430	ECKD2H102KB2	Ceramic	1000pF	K	500V	R417	⚠	ERD25FJ470K	Carbon	47Ω	J	14W
C705	ECET35R3325W	Electrolytic	3300µF		35V :	R418		ERD25FJ2R2K	Carbon	2.2Ω	J.	1/4W
C710	ECEA1CS102	Electrolytic	1000μF		16V	R419	Ą	ERQ12HJ100	Fuseble	10Ω	Ĵ	1/2W
		,				R420	_	ERC12GJ123	Solid	12KΩ	J	1/2W
ž.	F	RESISTORS				R421		ERD25FJ472K	Carbon	4.7KΩ	J	14W
R101	ERD25FJ390K	Carbon	39Ω	· J	1/4W	R422		ERD25FJ271K	Carbon	270Ω	J	14W
R102	ERD25FJ103K	Carbon	1.8 K Ω	J.	14W	B400		ED0400 1400		10140		1/14/
R104	ERD25FJ472K	Carbon	4.7 K Ω	J	14W	R423		ERC12GJ186	Solid	18ΜΩ	J	1/2W
R105	ERD25FJ103K	Carbon	10ΚΩ	j	14W	R424		ERD25FJ473K	Carbon	47KΩ	J	14W
R106	ERD25FJ681K	Carbon	Ω 086	J	14W	R426		TRF2SKR47	Non Flame	0.47Ω	K	2 W
1.5						R427		ERC12GJ183	Solid	18KΩ	J	1/2W
R107	ERD25FJ471K	Carbon	470Ω	J	1/4 W	R716	⚠	ERD25FJ5R6K	Carbon	5.6Ω	J	14W
R108	ERD25FJ820K	Carbon	82Ω	J	14W							
R141	ERD25FJ151K	Carbon	150Ω	J	¼W	J101		ERD25FJ390K	Carbon	39Ω	J.	14W
R142	ERD25FJ221K	Carbon	220Ω	J	1/4W	<u> </u>		<u> </u>	L	• •		
R143	ERD25FJ152K	Carbon	1.5ΚΩ	. J	14W]		CC	ONTROLS			
1.1.10	211820101021	Carbon	1.0111		/	VR19		EVTV0UA00B14	RF AGC	10ΚΩΒ		
R144	ERD25FJ391K	Carbon	390Ω	J	14W	VR31		EVH0TAS20B25	Vert. Hold	200ΚΩΒ		
R145	ERD25FJ820K	Carbon	82Ω	J	1/4W	VR32	1	EVTV0UA00B24	Vert. Height	20ΚΩΒ		
R146	ERD25FJ474K	Carbon	470KΩ	i j	1/4W	VR33		EVTV0UA00B23	Vert. Lin.	2ΚΩΒ		
R152	ERD25FJ180K	Carbon	18Ω	ij	14W	VR41		EVTV0UA00B52	Horiz, Hold	500ΩB		
R182	ERD25FJ473K	Carbon	47KΩ	J	14W	ļ			Trone. riola			
		Garbon	17133		,4			ОТНЕ	R PARTS			
R183	ERD25FJ333K	Carbon	33 K Ω	J	1/4W	X141	1	EFCS4R5MJ1	14.5MHz Cerap			
R184	ERD25FJ562K	Carbon	5.6KΩ	J	1/4W	X142		EFCS5R5MJ1	5.5MHz Cerap			
R185	ERD25FJ103K	Carbon	10KΩ	J	1/4 W	X142 X143		EFCS6R0MJ1	6.5MHz Cerap			
R186	ERD25FJ822K	Carbon	8.2KΩ	J	1/4 W	11	$_{\Lambda}$	XBA1E25NS5	The state of the s			
R187	ERD25FJ331K	Carbon	330Ω	J	1/4W	FS1,3	4	TJC305-1	Fuse (DC) 2.5A Fuse Holder			
R189	ERD25FJ222K	Carbon	2.2ΚΩ	J	1/4W							
R191	ERD25FJ224K	Carbon	2.2ΚΔ	J	74 VV 1/4 W			TND04000 00				
R192	ERD25FJ273K		27ΚΩ	J	% VV 1⁄4 W	H		TNP81232-22	SOB P.C.	BOAKL)	
R193	ERD25FJ682K	Carbon	6.8ΚΩ			 						
R201 △	ERD25FJ882K ERD25FJ330K	Carbon	33Ω	J J	1/4W				I. C.			
HZUI 🔼	END25FJ330K	Carbon	3312	. J	1/4 W	IC21	1	AN240PN	H.C			
R203	ERD25FJ102K	Carbon	1ΚΩ	· J	1/4W	IC22		AN240PN	I.C			
R204	ERD25FJ103K	Carbon	10ΚΩ	J	14W				<u> </u>			
R301 △	ERD25FJ470K	Carbon	47Ω	: j	14W				DIODE			
R302	ERD25FJ272K	Carbon	2.7ΚΩ	j	14W	D25	1					
R303	ERD25FJ183K	Carbon	18ΚΩ	J	14W			MA150	Diode			
,555	D_0.0 0 100K	33.3011	101/36	J	/4 V V	D26		MA150	Diode			
R304	ERD25FJ330K	Carbon	33Ω	 J.	14W	D27		MA150	Diode			
R305	ERO25CKG2001	Metal	2KΩ	G G	14 VV				COLLE			1
11303	ERD25CKG2001	Carbon	5.6Ω	J				•	COILS			
R307		i .		J .	14W	L251	- 1	TLS804308	Coil	. 1		
R307					14W	11		TLS803204	Coil			
R309	ERD25FJ470K	Carbon	47Ω			L252	- 1	1 L3003204				
		Carbon Carbon	4/Ω 4.7KΩ	J	1/4W	L252 L253		TLU100K106S	Peaking Coil			
R309 R310	ERD25FJ470K ERD25FJ472K	Carbon	4.7ΚΩ	J	1/4W				Peaking Coil Coil			
R309 R310 R311 <u>A</u>	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K	Carbon Carbon	4.7KΩ 1.1Ω	J	14W 14W	L253		TLU100K106S				
R309 R310 R311 \triangle R312	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K	Carbon Carbon Carbon	4.7KΩ 1.1Ω 820Ω	J	¼W ¼W ¼W	L253 L261		TLU100K106S TLS804308	Coil	in de la companya de La companya de la co		
R309 R310 R311 △ R312 R316	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K	Carbon Carbon Carbon Carbon	4.7KΩ 1.1Ω 820Ω 220Ω	J J J	¼W ¼W ¼W ¼W	L253 L261 L262		TLU100K106S TLS804308 TLS803204	Coil Coil			
R309 R310 R311 △ R312 R316 R317	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K	Carbon Carbon Carbon Carbon Carbon	4.7KΩ 1.1Ω 820Ω 220Ω 82KΩ	J J J	¼W ¼W ¼W ¼W	L253 L261		TLU100K106S TLS804308	Coil			
R309 R310 R311 △ R312 R316	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K	Carbon Carbon Carbon Carbon	4.7KΩ 1.1Ω 820Ω 220Ω	J J J	¼W ¼W ¼W ¼W	L253 L261 L262		TLU100K106S TLS804308 TLS803204 TLU100K106S	Coil Coil			
R309 R310 R311 △ R312 R316 R317	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K	Carbon Carbon Carbon Carbon Carbon Carbon	1.1Ω 820Ω 220Ω 82ΚΩ 100Ω	J	%W %W %W %W %W	L253 L261 L262 L263		TLU100K106S TLS804308 TLS803204 TLU100K106S	Coil Coil Peaking Coil	6pF	. C	50V
R309 R310 R311	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K ERD25FJ101K ERD25FJ101K	Carbon Carbon Carbon Carbon Carbon Carbon Carbon	4.7ΚΩ1.1Ω820Ω220Ω82ΚΩ100Ω68ΚΩ]]]	14W 14W 14W 14W 14W 14W	L253 L261 L262 L263		TLU100K106S TLS804308 TLS803204 TLU100K106S CAPA ECCD1H060CC	Coil Coil Peaking Coil ACITORS	6pF 130pF	C .1	50V 100V
R309 R310 R311	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K ERD25FJ101K ERD25FJ101K	Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon	4.7ΚΩ 1.1Ω 820Ω 220Ω 82ΚΩ 100Ω 68ΚΩ 150ΚΩ)))	14W 14W 14W 14W 14W 14W 14W	L253 L261 L262 L263 C250 C251		TLU100K106S TLS804308 TLS803204 TLU100K106S CAPA ECCD1H060CC ECQS1331JWT	Coil Coil Peaking Coil ACITORS Ceramic Styrol	130pF	j	100V
R309 R310 R311	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K ERD25FJ101K ERD25FJ101K ERD25FJ1683K ERD25FJ154K ERD25FJ102K	Carbon	4.7ΚΩ 1.1Ω 820Ω 220Ω 82ΚΩ 100Ω 68ΚΩ 150ΚΩ 1ΚΩ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14W 14W 14W 14W 14W 14W 14W 14W 14W	L253 L261 L262 L263 C250 C251 C252	The state of the s	TLU100K106S TLS804308 TLS803204 TLU100K106S CAPA ECCD1H060CC ECQS1331JWT ECKD1H473ZF2	Coil Coil Peaking Coil ACITORS Ceramic Styrol Ceramic	130pF 0.047μF	J Z	100V 50V
R309 R310 R311	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K ERD25FJ101K ERD25FJ101K	Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon	4.7ΚΩ 1.1Ω 820Ω 220Ω 82ΚΩ 100Ω 68ΚΩ 150ΚΩ)))	14W 14W 14W 14W 14W 14W 14W	L253 L261 L262 L263 C250 C251		TLU100K106S TLS804308 TLS803204 TLU100K106S CAPA ECCD1H060CC ECQS1331JWT	Coil Coil Peaking Coil ACITORS Ceramic Styrol Ceramic Ceramic	130pF	j	100V
R309 R310 R311	ERD25FJ470K ERD25FJ472K ERD25FJ1R1K ERD25FJ821K ERD25FJ221K ERD25FJ823K ERD25FJ101K ERD25FJ101K ERD25FJ1683K ERD25FJ154K ERD25FJ102K ERD25FJ102K	Carbon Carbon	4.7ΚΩ 1.1Ω 820Ω 220Ω 82ΚΩ 100Ω 68ΚΩ 150ΚΩ 1ΚΩ 3.9ΚΩ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14W 14W 14W 14W 14W 14W 14W 14W 14W 14W	L253 L261 L262 L263 C250 C251 C252 C253		TLU100K106S TLS804308 TLS803204 TLU100K106S CAPA ECCD1H060CC ECQS1331JWT ECKD1H473ZF2 ECKD1H473ZF2	Coil Coil Peaking Coil ACITORS Ceramic Styrol Ceramic Ceramic	130pF 0.047μF 0.047μF	J Z Z	100V 50V 50V

Ref. No.	Part No.	Descri	ption		Ref. No.	Part No.	D	escription	۱ '	
C256	ECCD1H080CC	Ceramic	8pF C	50V	R1454	ERD25FJ682K	Carbon	6.8KΩ	J	¼W
C258	ECKD1H473ZF2	Ceramic 0.04	17μF Z	50V	R1550	ERD25FJ392K	Carbon	3.9 K Ω	J	14W
C260	ECCD1H120JP	1	12pF J	50V	R1551	ERD25FJ122K	Carbon	1.2ΚΩ	J	¼W
C260 C261	ECQS1271JWT		70pF J	100V	R1552	ERD25FJ392K	Carbon	3.9ΚΩ	J	1/4W
		1	•		il .	ERD25FJ563K	Carbon	56KΩ	J	14W
C262	ECKD1H473ZF2	Ceramic 0.04	17μF Z	50∨	R1553	ERDZSFJS63K	Carbon	20 1/75	J	. 74 VV
C263	ECKD1H473ZF2	Ceramic 0.04	17μF Z	50V	R1554	ERD25FJ682K	Carbon	6.8 K Ω	J	14W
C264	ECQM1H153JZ	Polyestor 0.01	l5μF J	50V	 					
C265	ECCD1H820JP2	1	32pF J	50V]]	C	ONTROLS			
C266	ECCD1H080CC	1	8pF C	50V		1 = =		4001400		
C200	ECEA1ES4R7			25V	VR130	EVAT09C20G15	Balance	100KΩG		
	ECEATES4H7	Electrolytic 4	.7μF 	25 V	VR131	EVBV31C20A54	Bass Treble	50ΚΩΑ 50ΚΩΑ		
	RI	SISTORS			VR132 VR133	EVBV31C20A54 EVBV29C20A14	Volume	10ΚΩΑ		
R254	ERD25FJ223K	Carbon 22	ΚΩ J	1/4W	ļ 	<u> </u>				
R255	ERD25FJ124K	Carbon 120	KΩ J	1/4 W		OTH	ER PARTS			
R264	ERD25FJ223K	Carbon 22	KΩ J	14W	1	T0500400	LTMD II /T			0
R265	ERD25FJ104K	Carbon 100		1/4W	Il	TSE80132	TV/Radio/Ta			Switch
R271	ERD25FJ124K	Carbon 120		14W		TXAJT4P113A	4P Mini. Coni			
NZ/ I	ENDZSFJ1Z4K	Carbon	1/77 J	/4 V V		TXAJT4P114A	4P Mini. Con			
		12.		4,,,,,		TUW81383	Tone Volume	Brucket (N	on Av	ailable
R272	ERD25FJ104K	Carbon 100		1/4W			Part)			
R341	ERD25FJ153K		KΩ J	14W		<u> </u>	<u> </u>			
VR34	EVTV0UA00B15	Control 500	KΩB				•			
	TJT8902A	1P Socket			TN	P82964-32H L	ED METER	R P.C. B	OAF	RD -
	TND02517.21	POWER P.C. I	POARD	<u>-</u>	-		I.C.			
	1 NP82517-21	POWER P.C.	DUAND		IC130	TVSLB1405	I.C.			
D781 △	TVS30D1	Power Rectifier			IC131	TVSLB1405	I.C.			
D782 <u>∧</u>	TVS30D1	Power Rectifier			<u> </u>		<u> </u>			
D783 <u>∧</u>	TVS30D1	Power Rectifier]]	TRAN	ISISTORS			
D784 🛕	TVS30D1	Power Rectifier			Q301	1 2SC828AR	Transistor			
			04	EOV.	Q302	2SC828AR	Transistor			
C781	ECFWE104KDY	Ceramic Capacitor	0.1μF K	50V	11 .	1				
					Q303	2SA564AR	Transistor			
C782	ECFWE104KDY	Ceramic Capacitor	•		Q501	2SC828AR	Transistor			
C783	ECFWE104KDY	Ceramic Capacitor	0.1μF K	50V	Q502	2SC828AR	Transistor			
C784	ECFWE104KDY	Ceramic Capacitor	0.1μF K	50V	Q503	2SA564AR	Transistor			
C785	ECQM1H103JZ	Polyester Capacitor	0.1µF K	50V	C1301	ECEA1ES3R3	Electrolytic	3.3 µ F		25V
FS1~4	TJC3316	Fuse Holder		*	11		,	•		
		1 . 400 ; 10140.			C1302	ECEA1ES3R3	Electrolytic	3.3µF		25V
AU	TJS868250	3P Mini. Connector	Dive		C1303	ECKD1H471KB2	Ceramic	470pF	K	50V
AU		1 .	Flug		C1304	ECEA1ES4R7	Electrolytic	4.7 µ F		25V
	TJS828050	DC Socket	12.5		 -					
	TUW81948-1	Power Bracket (Nor	n Available	Parts)	C1305	ECCD1H470K	Ceramic	4 7 pF	· K	50V
	TSE80103-8	Switch			C1351	ECEA1ES3R3	Electrolytic	3.3 µ F		25V
L781,782	TLP80601	Coil Trans.			C1352	ECEA1ES3R3	Electrolytic	3.3μϜ		25V
					C1353	ECKD1H471KB2	Ceramic	470pF	K	50V
					C1354	ECEA1ES4R7	Electrolytic	4.7μF	•	25V
	TNP82958-31	TONE P.C. B	OARD		C1354	ECCATES4N7	Liectrorytic	4.7μ		25 V
	CA	PACITORS			C1355	ECCD1H470K	Ceramic	47pF	K	50V
C1450	ECQM1H103JZ)1μF J	50V		RE	SISTORS			
C1451	ECQM1H154JZ	l '	15μF J	50V	11		Control of the Control			1/
C1452	ECQM1H472JZ	· ·	00pF J	50V	R1301	ERD10TJ102	Carbon	1ΚΩ	J	1/8 W
C1452	ECOM1H273JZ	1			R1302	ERD10TJ332	Carbon	3.3KΩ	J.	1/8 W
			27μF J	50V	R1303	ERD10TJ183	Carbon	18ΚΩ	J	1/ ₈ W
C1550	ECQM1H103JZ	Polyester 0.0)1μF J	50V	R1304	ERD10TJ222	Carbon	2.2KΩ	J	1/8 W
					R1305	ERD10TJ104	Carbon	100ΚΩ	J	1/8 W
C1551	ECQM1H154JZ		5μF J	50V						, -
C1552	ECQM1H472JZ	1 '	OpF J	50V	R1306	ERD10TJ153	Carbon	15ΚΩ	J	1/8 W
C1553	ECQM1H273JZ	Polyester 0.02	27μF J	50V	LI	l		10KΩ	j.	1/8 W
	<u> </u>				R1307	ERD10TJ103	Carbon			
	RI	ESISTORS	100 m		R1308	ERD10TJ104	Carbon	100KΩ	J	1/8 W
					R1309	ERD10TJ103	Carbon	10KΩ	J	¹/ ₈ W
	ERD25FJ392K	Carbon 3.9	ΚΩ Ί	1/4W	R1310	ERD10TJ561	Carbon	560Ω	J	¹/ ₈ W
R1450		1	KΩ J	1/4W	1))			
	ERD25FJ122K	Carbon 1.2	1/32 3							
R1450 R1451 R1452	ERD25FJ122K ERD25FJ392K	I'		1/4W	R1311	ERD10TJ561	Carbon	560Ω	J.	¹/ ₈ W
R1451		Carbon 3.9			R1311 R1312	ERD10TJ561 ERD10TJ103	Carbon Carbon	560Ω 10KΩ	J. J	¹/ ₈ ∨ ¹/ ₈ ∨

Ref. No.	Part No.	Des	cription		Ref. No.	Part No.	Description	
R1313 R1314	ERD10TJ472 ERD25FJ100K	Carbon Carbon	4.7KΩ J 10Ω J	1/ ₈ W	R96	ERD25FJ562K	Carbon 5.6KΩ J	14W
R1345	ERD10TJ823	Carbon	82KΩ J	1/8 W		<u></u>	NTROL	,
R1351	ERD10TJ102	Carbon	1KΩ J	1/8 W				
R1352	ERD10TJ332	I	3.3KΩ J	1/8 W	VR92	EVNK0AA00B24	Control 20KΩB	
111332	LND1013332	Carbon	3.3K46 J	/8 VV	VR93	EVNK0AA00B54	Control 50KΩB	
R1353	ERD10TJ183	Carbon	18KΩ J	1/8 W	VR94	EVNK0AA00B15	Control 100KΩB	
R1354	ERD10TJ222		2.2KΩ J		VR95	EVNK0AA00B15	Control 100KΩB	
R1355	1			1/8 W	∨R96	EVNK0AA0BB25	Control 100KΩB	
R1356	ERD10TJ104	1		1/ ₈ W				
· -	ERD10TJ153	Carbon	15KΩ J	1/8 W	VR97	EVNK0AA0BB55	Control 500KΩB	*
R1357	ERD10TJ103	Carbon	10KΩ J	1/8 W	VR98	EVNK0AA0BB14	Control 10KΩB	
R1358	ERD10TJ104	1	100KΩ J	1/8 W		ОТН	ER PARTS	
R1359	ERD10TJ103	Carbon	10KΩ J	1/8 W	∥ _U ,	TJS868360	I 6P Socket Plug	
R1360	ERD10TJ561	Carbon	560Ω J	1/8 W	TU	TJS868330	4P Socket Plug	
R1361	ERD10TJ561	Carbon	560Ω J	1/8 W	X91	EFCA92R00M0	Ceramic Filter	
R1362	ERD10TJ103	Carbon	10KΩ J	1/8 W	X91 X92	TNQ8934-1	U/V Spearator	
54666			4 = 14 ~	1/ 141	^9Z	TXAJTN6P199		
R1363	ERD10TJ472	i .	4.7KΩ J	1/8 W		1 X AJ TNOP 199	6P Connector Ass'y	
R1364	ERD25FJ100K	Carbon	10Ω ±5%	1/4 W		TXAJTC3P535	4P Connector Ass'y	
	ОТН	ER PARTS						
VR301 VR302	EVNK0BA00B53 EVNK0BA00B53	Led Meter Level Led Meter Level	Control 5Ks	ΩB .		TNP82982-22H	RADIO P.C. BOARD	
LM	TJS868330	4P L-Type Mini.	. Connector Plu	g			I. C.	
				-	IC101	AN7218	FM IF AMP.	
	TNP92901 T	UNER P.C. I	BOARD		IC102	AN362	FM Multi	
	· -	TUNER				TR	ANSISTORS	
l	I TNV86906F1F	UHF Tuner			Q101	2SC1686	I FM RF AMP.	
-	TNV16908F1F	VHF Tuner			Q102	2SC1359B	FM MIX. (B)	
IC91	AN5700	I.C			Q103	2SC1359B	FM OSC. (C)	
D91	MA856	Diode			Q104	2SC828AR	Muting	
D92	MA856	Diode						
D93	TVSRD5R1JB3	Diode					ODES	
D93		ł			D101	TVS1S2687	FM AFC	
	MA150	Diode			D102	OA91	FM DET.	
D95	MA150	Diode			D103	OA91	FM DET.	
D96	MA150	Diode			D104	MA150	FM Meter	
D97	MA150	Diode			D111	OA91	AM Meter	
500		.				·		
D98 D99	MA150 MA150	Diode Diode			D112	OA91	AM DET.	
f:		<u>L</u>				C	OILS	
		DAOITOD						
	CA	APACITOR			L1001	TLR80208	FM Antenna coil	
C91	ECKD1H102KB2		1000pF K	50V	L1001 L1002	TLR80208 TLR80208	FM Antenna coil FM OSC. Coil	
C92		Ceramic Electrolytic	1000pF K 10μF	50V 16V	11		1	
C92 C93	ECKD1H102KB2	Ceramic	**		L1002	TLR80208 RLQY75S5	FM OSC. Coil Trap Coil	
C92 C93 C94	ECKD1H102KB2 ECEA1CS100	Ceramic Electrolytic Electrolytic	10 μ F	16V	L1002 L1003 L1004	TLR80208 RLQY75S5 TLT331-999	FM OSC. Coil Trap Coil Peaking Coil 330µH	
C92 C93	ECKD1H102KB2 ECEA1CS100 ECEA1CS100	Ceramic Electrolytic Electrolytic	10μF 10μF	16V 16V	L1002 L1003 L1004 L1005	TLR80208 RLQY75S5 TLT331-999 TLT270-999	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH	
C92 C93 C94 C95	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010	Ceramic Electrolytic Electrolytic Ceramic Electrolytic	10μF 10μF 0.01μF K 1μF	16V 16V 50V 50V	L1002 L1003 L1004 L1005	TLR80208 RLQY75S5 TLT331-999 TLT270-999	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H	
C92 C93 C94 C95	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2	Ceramic Electrolytic Electrolytic Ceramic Electrolytic	10μF 10μF 0.01μF K 1μF	16V 16V 50V 50V	L1002 L1003 L1004 L1005 L1081 L1082	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H	
C92 C93 C94 C95 C96 C97	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470	Ceramic Electrolytic Electrolytic Ceramic Electrolytic Ceramic Ceramic Ceramic Electrolytic	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF	16V 16V 50V 50V 50V 16V	L1002 L1003 L1004 L1005 L1081 L1082 L1101	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil	
C92 C93 C94 C95 C96 C97 C98	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2	Ceramic Electrolytic Electrolytic Ceramic Electrolytic Ceramic Ceramic Electrolytic Ceramic	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF 1000pF K	16V 16V 50V 50V 50V 16V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil	
C92 C93 C94 C95 C96 C97	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470	Ceramic Electrolytic Electrolytic Ceramic Electrolytic Ceramic Ceramic Ceramic Electrolytic	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF	16V 16V 50V 50V 50V 16V	L1002 L1003 L1004 L1005 L1081 L1082 L1101	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil	
C92 C93 C94 C95 C96 C97 C98 C99	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6	Ceramic Electrolytic Ceramic Electrolytic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF 1000pF K 0.5pF	16V 16V 50V 50V 50V 16V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil	
C92 C93 C94 C95 C96 C97 C98	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6	Ceramic Electrolytic Ceramic Electrolytic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF 1000pF K	16V 16V 50V 50V 50V 16V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103 L1104 L1105	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C QL02M5 RL02M14	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil SW1 OSC Coil	
C92 C93 C94 C95 C96 C97 C98 C99	ECKD1H102KB2 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6	Ceramic Electrolytic Ceramic Carbon Carbon Carbon Ceramic Ce	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF 1000pF K 0.5pF	16V 16V 50V 50V 50V 16V 50V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil	
C92 C93 C94 C95 C96 C97 C98 C99	ECKD1H102KB2 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6	Ceramic Electrolytic Ceramic Carbon Carbon Carbon Carbon Ceramic Cer	10μF 10μF 0.01μF	16V 16V 50V 50V 50V 16V 50V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103 L1104 L1105	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C QL02M5 RL02M14	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil SW1 OSC Coil	
C92 C93 C94 C95 C96 C97 C98 C99	ECKD1H102KB2 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6 RI ERD25FJ103K ERD25FJ472K	Ceramic Electrolytic Ceramic Electrolytic Ceramic Ceramic Electrolytic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic	10μF 10μF 0.01μF	16V 16V 50V 50V 50V 16V 50V 50V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103 L1104 L1105	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C QL02M5 RL02M14 ELL7E758C	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil SW2 OSC Coil	
C92 C93 C94 C95 C96 C97 C98 C99	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6 RI ERD25FJ103K ERD25FJ103K	Ceramic Electrolytic Ceramic Electrolytic Ceramic Ceramic Electrolytic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic	10μF 10μF 0.01μF	16V 16V 50V 50V 50V 16V 50V 50V 50V	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103 L1104 L1105 L1106	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C QL02M5 RL02M14 ELL7E758C	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil SW1 OSC Coil SW2 OSC Coil	
C92 C93 C94 C95 C96 C97 C98 C99 R91 R92 R93 R94	ECKD1H102KB2 ECEA1CS100 ECEA1CS100 ECKD1H103KB2 ECEA1HS010 ECKD1H223PF2 ECEA1CS470 ECKD1H102KB2 TCCF1H0R5BR6 RI ERD25FJ103K ERD25FJ103K ERD25FJ103K ERD25FJ103K ERD25FJ334K	Ceramic Electrolytic Ceramic Carbon	10μF 10μF 0.01μF K 1μF 0.022μF P 47μF 1000pF K 0.5pF 10ΚΩ J 4.7ΚΩ J 10ΚΩ J 330ΚΩ J	16V 16V 50V 50V 50V 16V 50V 50V 4W 4W 4W 4W	L1002 L1003 L1004 L1005 L1081 L1082 L1101 L1102 L1103 L1104 L1105	TLR80208 RLQY75S5 TLT331-999 TLT270-999 TLQ393J106G TLQ393J106G RLQY75S5 TLR80123 ELA7S755C QL02M5 RL02M14 ELL7E758C	FM OSC. Coil Trap Coil Peaking Coil 330µH Peaking Coil 27µH Peaking Coil 0.039H Peaking Coil 0.039H Trap Coil Bar Antenna Coil SM RF Coil AM OSC. Coil SW2 OSC Coil	

Ref. No.	Part No.	Description		Ref. No.	. Part No.		Descriptio	n	12 85
T1003 Δ	RLI4M506	FM DET. Trans.		C1107	ECCD1H271JC	Ceramic	270pF	J	50V
T1101 Δ	RLI2M201	AM IF Trans.		C1108	ECCD1H151JC	Ceramic	150pF	J	50V
T1102 Δ	RLI2M202	AM IF Trans.		C1109	ECCD1H150JC	Ceramic	15pF	J	50V
T1103 Δ	RLI2M402	AM DET Trans.		C1110	ECV1ZW10X53N	Variable	TOP.		30 V
		<u> </u>		C1111	ECV1ZW10X53N	Variable	100		
	C	APACITORS				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
C1001	PVC22K20T1LG	probability of the second		C1112	ECQS1361JWT	Styrol	360pF	J	100∨
C1004	ECCD1H270JC2	Ceramic 27pF J	50V.	C1113	ECCD1H070CC	Ceramic	7pF	С	50V
C1005	ECKD1H103PF2	Ceramic 0.01µF P	50V	C1114	ECQS1472JWT	Styrol	4200pF	J	1'00V
C1006	ECCD1H050CC	Ceramic 5pF C	50V	C1115	ECKD1H103PF2	Ceramic	0.01 µ F	Р	50V
C1007	ECCD1H180JC	Ceramic 18pF J	50V	C1116	ECKD1H223PF2	Ceramic	0.022 <i>µ</i> F	Р	50V
C1008	ECCD1H050CC	Ceramic 5pF C	50V	C1131	ECEA1AS471	Electrolytic	470µF		10V
C1009	ECCD1H390JC2	Ceramic 39pF J		C1132	ECKD1H102KB2	Ceramic	1000pF	K	50V
C1010	ECKD1H103KB2	Ceramic 0.01 µF K		C1133	ECEA1HS010	Electrolytic	1000p1		50V
C1011	ECKD1H103PF2	Ceramic 0.01μ F P		C11134	ECEA1CS100	Electrolytic	10μF		16V
C1012	ECCD1H050CS	Ceramic 5pF C		C1135	ECKD1H223PF2	Ceramic	0.022µF	Р	50V
						İ			
C1013	ECCD1H080DS	Ceramic 8pF D		C1136	ECKD1H103PF2	Ceramic	0.01μF	Р	50V
C1014	ECCD1H390JS	Ceramic 39pF J	50V	C1137	ECKD1H103PF2	Ceramic	0.01μF	P	50V
C1015	ECCD1H120JS	Ceramic 12pF J	50V	C1138	ECKD1H223PF2	Ceramic	0.022µF	Ρ	50V
C1017	ECCD1H060CS	Ceramic 6pF C		C1139	ECQM1H683JZ	Polyester	0.068µF	J	50V
C1018	ECKD1H223PF2	Ceramic 0.022μ F P	50V	C1140	ECCD1H271JC2	Ceramic	270pF	Ĵ	50V
C1019	ECKD1H331KB	Ceramic 330pF K	50V	C1141	ECKD1H223PF2	Ceramic	0.022µF	Р	50V
C1020	ECKD1H103PF2	Ceramic 0.01 µF P	50V	C1180	ECEA1AS101	Electrolytic	100μF		10V
C1050	ECKD1H102KB2	Ceramic 1000pF K		i	<u> </u>	L			
C1051	ECKD1H103PF2	Ceramic 0.01 µF P	50V		RESISTORS				
C1052	ECKD1H223PF2	Ceramic 0.022µF P	50V	R1001	ERD10TJ104	Carbon	100ΚΩ		1/ 14/
si -			00 1	R1002	ERD10TJ270	Carbon	27Ω	J	¹/ ₈ W ¹/ ₈ W
C1053	ECKD1H223PF2	Ceramic 0.022µF P	50V	R1003	ERD10TJ122	Carbon	1.2KΩ	J	/8 VV 1/8 W
C1054	ECKD1H331KB	Ceramic 330pF K	50V	R1004	ERD10TJ474	Carbon	470KΩ	J	/8 VV 1/ ₈ W
C1055	ECEA1ES4R7	Electrolytic 4.7 µF	25V	R1005	ERD10TJ471	Carbon	470R32	J	1/8 W
C1056	ECCD1H271J	Ceramic 270pF J	50V		21101010471	Carbon	47042	,	/8 VV
C1057	ECCD1H271J	Ceramic 270pF J	50V	R1006	ERD10TJ751	Carbon	750Ω	ij	¹/ ₈ ₩
				R1007	ERD10TJ104	Carbon	100ΚΩ	J	1/8 W
C1059	ECEA1HSR47	Electrolytic 0.47µF	50V	R1009	ERD10TJ122	Carbon	1.2ΚΩ	J	1/8 W
C1060	ECEA1ES4R7	Electrolytic 4.7µF	25V	R1010	ERD10TJ102	Carbon	1ΚΩ	J.	1/8 W
C1061	ECKD1H103PF2	Ceramic 0.01 µF P	50V	R1011	ERD10TJ104	Carbon	100ΚΩ	J	1/8 W
C1062	ECKD1H103PF2	Ceramic 0.01µF P	50V				100.00	.,,	/8 V V
C1081	ECEA1CS330	Electrolytic 33µF	16V	R1012	ERD10TJ473	Carbon	47KΩ	J	1/8 W
				R1051	ERD10TJ101	Carbon	100Ω	J	1/8 W
	ECQM1H153JZ	Polyester 0.015µF J	50V	R1052	ERD10TJ102	Carbon	1ΚΩ	J	1/8 W
	ECEA1ES4R7	Electrolytic 4.7µF	25V	R1053	ERD10TJ470	Carbon	47Ω	J	1/8 W
	ECQM1H182JZ	Polyester 1800pF J	50∨	R1054	ERD10TJ102	Carbon	1ΚΩ	J	1/8 W
	ECQM1H153JZ	Polyester 0.015µF J	50V						,
C1087	ECEA1ES4R7	Electrolytic 4.7µF	25V	R1055	ERD10TJ102	Carbon	1ΚΩ	j	1/8 W
C1088	ECOM11110217	D. 1000 F		R1056	ERD10TJ682	Carbon	6.8KΩ	J	1/8 W
	ECQM1H182JZ	Polyester 1800pF J	50∨	R1057	ERD10TJ822	Carbon	8.2KΩ	J	1/8 W
	ECFWD152KAY	Ceramic 1500pF K	25V	R1058		Carbon	820Ω	J	1/8 W
	ECOM1H332JZ	Polyester 3300pF J	50V	R1059	ERD10TJ153	Carbon	15ΚΩ	J	1/8 W
	ECFWD152KAY	Ceramic 1500pF K	25V		_:_		era de la composición br>Composición de la composición de la co		
21092	ECQM1H332JZ	Polyester 3300pF J	50∨	R1062		Carbon	1ΚΩ	J	1/8 W
21093	ECQS1331JWT	Styrol 330pF J	1001			Carbon	100ΚΩ	J.	1/8 W
	ECEA50ZR22		100V	l - I		Carbon	18ΚΩ	J	1/8 W
	ECEA50ZR22 ECEA50ZR47	Electrolytic 0.22µF	50V	1		Carbon	47KΩ	J	1/8 W
	ECEASOZR47	Electrolytic 00.47μ F Electrolytic 10μ F	50V	R1083	ERD10TJ823	Carbon	82KΩ	J	1/8 W
	ECEATESTOO ECEATHS010	Electrolytic 10μ F Electrolytic 1μ F	16∨ 50∨	R1084	ERD10TJ272	Carbon	2740		.,,,,
777		μ	5U V			Carbon Carbon	2.7KΩ	J	1/8 W
21098	ECQM1H473JZ	Polyester 0.047µF J	50V					J.	1/8 W
	ECCD1H040CC	Ceramic 4pF C	50V 50V	1		Carbon Carbon		J _i	1/8 W
	ECCD1H560JP	Ceramic 4pF C	50V 50V			Carbon Carbon		J.	1/8 W
	2CV2120	Trimmer 500F J	JU V		-1101010002	Carbon	3.3K 0	J	¹/ ₈ W
1	ECCD1H470JPN	Ceramic 47pF J	50V	R1090	ERD10TJ682	Carbon	6.8KΩ	1.	1/ 1//
		99, anno 47pt 0	50 V		21010002	Carbon	0.01/24	Ĵ.	1/8 W

Ref. No.	f.No. Part No. Description			Ref. No.	Part No.	Description			
R1091	ERD10TJ332	Carbon 3.3KΩ J	1/8 W	Q154	2SC828AR	Transistor			
R1093	ERD10TJ273	Carbon 27KΩ J	1/8 W	Q155	2SC828AR	Transistor			
R1094	ERD10TJ102	Carbon 1KΩ J	1/8 W			<u> </u>			
R1095	ERD10TJ682	Carbon 6.8KΩ J	1/8 W		D	IODES			,
R1101	ERD10TJ270	Carbon 27Ω J	1/8 W	D75	TVSRD4R7EB	Diode			
				D78	TVS10E1	Diode			
R1102	ERD10TJ391	Carbon 390Ω J	$^{1}/_{8}$ W	D80	TVS10E1	Diode			
R1·103	ERD10TJ103	Carbon 10KΩ J	1/8 W	D80	TVSKB462F	Diode			
R1104	ERD10TJ270	Carbon 27Ω J	1/8 W	D81	1	1			
R1105	ERD10TJ330	Carbon 33Ω J	1/8 W	D82	MA26	Diode			
R1130	ERD10TJ470	Carbon 47Ω J	1/8 W	D101	MA 150	Disala			
			,	D121 D122	MA150 MA150	Diode Diode			
R1/131	ERD10TJ473	Carbon 47KΩ J	1/8 W	D122	TVSKB265A	Diode			
R1132	ERD10TJ103	Carbon 10KΩ J	1/8 W	D141	MA150	Diode	Sec. 20		
R1133	ERD10TJ682	Carbon 6.8KΩ J	1/8 W	11	į.				
R1134	ERD10TJ822	Carbon 8.2KΩ J	1/8 W	D151	MA150	Diode			
R1135	ERD10TJ153	Carbon 15KΩ J	1/8 W		·	OILS			
.,,,,			70						
R1180	ERD25FJ471K	Carbon 470Ω J	1/4 W	L1201	QLB0155	Oscillator Coil			
		I		L1202	TLU270K106C	Peaking Coil			
	CO	NTROLS		L1203	TLU391K106C	Peaking Coil			
VR101	EVNK4AA00B14	Freq. Adj. 10KΩB		L1401	ELM7Q718A	Trap Coil			
VR102	EVNK4AA00B53	Separation Adi. 5KΩB		L1501	ELM7Q718A	Trap Coil			
×.					CAP	ACITORS	200		
		MBINATIONS		C706	ECEA1CS100	Electrolytic	10μF		16V
X1001	TXCFF88108W	FM Band Pass Filter		C707	ECCD1H101JP2	Ceramic		J	50V
X1002	TFCS10R7M-2	10.7MHz Cerap		C708	ECQM1H273JZ	Polyester		J	50V
				C709	ECEA1CS101	Electrolytic	100μF	•	16V
	OTHE	R PARTS		C710	ECKD1H472KB2	Ceramic		K	50V
SO	TSE80331	LW Selector Switch			LONDINITIZERDZ	Coramic	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
S1	TSE80331	MW Selector Switch		C1201	ECEA50ZR22	Electrolytic	0.22µF		50V
S2	TSE80331	SW Selector Switch		C1203	ECEA1CS101	Electrolytic	100μF		16V
S3-	TSE80331	FM Selector Switch		C1204	ECQM1H822JZ	Polyester		J	50V
P2,4	XAM64C120	Pilot Lamp		C1205	ECEA1CS331	Electrolytic	330µF	•	16V
12,4	XAIVI040120	Thot Lamp		C1206	ECQM1H102JZ	Polyester		J	50V
P1,5	XAM64C260	Pilot Lamp		01200	LOGWITTOZOZ	1 Oryostor	100001		001
AT,RC	TJS868250	3-P Mini. Connector Plug		C1207	ECCD1H101JP2	Ceramic	100pF	J	50V
RD	TJS868270	5-P Mini. Connector Plug		C1208	ECEA1CS221	Electrolytic	220µF		16V
	TXAJT7P006A	7-P Mini. Connector Ass'y		C1209	ECEA1AS101	Electrolytic	100μF		10V
	TXAJTC6P200	6P Connector Ass'y		C1210	ECQM1H472JZ	Polyester		J	50V
	1XA61001200	of Confidence / 133 y		C1211	ECEA1HS010	Electrolytic	1μF	.	50V
	TNIDO4040 04	AUDIO DO BOARD							
	1 NP9 19 19-2 1	AUDIO P.C. BOARD		C1213	ECEA1VS101	Electrolytic	100µF		35V
				C1214	ECEA1CS331	Electrolytic	330µF		16V
		I. C.		C1215	ECET35R332SW	Electrolytic	3300µF		35V
IC121	TVSSTK433	I.C.		C1216	ECEA1CS332	Electrolytic	3300µF		16V
10121				C1217	ECEA1CS100	Electrolytic	10 μ F		16V
* .		NSISTORS		C1220	ECKD1H103KB2	Ceramic	0.01µF	K	50V
Q71	2SC828AR	Transistor		C1223	ECEA16Z10E	Electrolytic	10µF		16V
Q72	2SB621ARNC	Transistor		C1225	ECEA1AS221	Electrolytic	220 µ F		10V
Q73	2SB761QLB	Transistor		C1226	ECCD1H221J2	Ceramic		J	50V
Q121	2SC828AR	Transistor		C1227	ECEA1ES4R7	Electrolytic	4.7μF		15V
Q122	2SC828AQ	Transistor							
0124	20012020	Transistor		C1230	ECEA1CS100	Electrolytic	10μF		16V
Q124	2SC1383R	Transistor		C1232	ECEA1AS471	Electrolytic	470µF		10V
Q141	2SC644S	Transistor		C1233	ECCD1H470JPN	Ceramic		J.	50V
Q142	2SC828AR	Transistor		C1251	ECCD1H470JPN	Ceramic		J	.50V
Q143	2SC644S	Transistor		C1401	ECEA50ZR22	Electrolytic	0.22µF		50V
Q144	2SC828AR	Transistor				[122
0145	000000 4 5	Torright		C1402	ECQM1H103JZ	Polyester	· · · · · · · · · · · · · · · · · · ·	J	50V
Q145	2SC828AR	Transistor		C1404	ECEA50ZR47	Electrolytic	0.47 µ F		50V
Q151	2SC644S	Transistor		C1405	ECCD1H181JC	Ceramic		J	50V
	2SC828AR	Transistor		C1406	ECCD1H820JP2	1.0	00-5	J ·	50V
Q152 Q153	2SC644S	Transistor		101400	LCCD11162031 2	Ceramic	82pF	J	30 V

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
C1407	ECCD1H101JP2	Ceramic	100pF	J	50V	C1541	ECQM1H332JZ	Polyester	3300pF		50V
C1409	ECEA1ES3R3	Electrolytic	3.3 µ F		25V	C1542	ECEA50ZR47	Electrolytic	0.47µF		50V
C1410	ECEA1CN330S	Electrolytic	33 µ F		16V	C1543	ECEA1AS221	Electrolytic	220µF		10V
C1411	ECEA1ES3R3	Electrolytic	3.3µF		25V	C1544	ECEA1CS470	Electrolytic	47μF		16V
C1412	ECCD1H271JC	Ceramic	270pF	J	50V	C1545	ECEA1ES471	Electrolytic	470µF		25V
C1413	ECCD1H181JC	Ceramic	180pF	J	50V	C1546	ECQM1H104JZ	Polyester	0.1		
C1414	ECCD1H560JP	Ceramic	56pF	J	50V	01340	LCQWIII104JZ	Folyester	0.1 µ F	J	50V
C1415	ECEA0JS330	Electrolytic	33 µ F	Ū	6.3V		RE	SISTORS			
C1416	ECEA1ES3R3	Electrolytic	3.3 µ F		25V	R701					
C1417	ECQM1H153JZ	Polyester	0.015 µ F	J	50V	R702	ERO25CKG3901 ERO25CKG3801	Metal Metal	3.9KΩ 1.8KΩ	J J	¼W ¼W
C1418	ECQM1H332JZ	Polyester	3300pF	· J	50V	R703	ERD25FJ561K	Carbon	560Ω	j	14W
C1421	ECEA1ES4R7	Electrolytic	4.7 µ F	J	25V	R705	ERD25FJ682K	Carbon	6.8ΚΩ	J	14W
C1423	ECCD1H151JP	Ceramic	4.7ml 150pF	J	50V	R706	ERD25FJ101K	Carbon	100Ω	j	14W
C1424	ECEA1CSV00	Electrolytic	150pF 10 µ F	J						-	/4
C1425	ECEA1ES3R3				16V	R707	ERC12GJ121	Solid	120Ω	J	½W
01425	LCLATESSIS	Electrolytic	3.3 µ F		25V	R708	ERD25FJ680K	Carbon	68Ω	J	14W
C1426	ECQM1H332JZ	D-1	0000 =			R709	ERG1ANJ561	Metal Oxide	56Ω	J	1 W
C1420		Polyester	3300pF	J.	50V	R711A	ERD50FJ2R7	Carbon	27Ω	j	1/2W
	ECQS1821JWT	Styrol	820pF	J	100V	R712	ERQ2CJ2R7	Fuseble	2.7Ω	J	2 W
C1428	ECQM1H102JZ	Polyester	1000pF	J	50V	''' '-	L1102002117	i daebie	2./32	J	2 VV
C1429	ECEA0JS330	Electrolytic	33 µ F		6.3V						
C1430	ECQM1H152JZ	Polyester	1500pF	IJ	50V	R715	ERD15FJ124K		40014-		1111
	·	1				11	l .	Carbon	120KΩ	J	14W
C1431	ECCD1H470JPN	Ceramic	47pF	, J	50V	R1201	ERD25FJ562K	Carbon	5.6KΩ	J	14W
C1438	ECEA1CS100	Electrolytic	10μF		16V	R1202	ERD25FJ8R2	Carbon	8.2Ω	J	14W
C1441	ECQM1H332JZ	Polyester	3300pF	J	50V	R1203	ERD25FJ101K	Carbon	100Ω	J	1/4W
C1442	ECEA50ZR47	Electrolytic	0.47µF	•	50V						
C1443	ECEA1AS221	Electrolytic	220µF		10V	R1204	ERD25FJ1R0K	Carbon	1Ω	J	1/4W
		Liberiorytic	22001		100	R1205	ERD25FJ102K	Carbon	1ΚΩ	J	1/4W
C1444	ECEA1CS470	Electrolytic	47μF		101	R1206	ERD25FJ562K	Carbon	5.6KΩ	j	1/4W
C1445	ECEA1ES471		•		16V	R1207	ERD25FJ103K	Carbon	10ΚΩ	J	14W
C1446		Electrolytic	470µF		25V	R1208	ERD25FJ472K	Carbon	4.7ΚΩ	J	14W
	ECQM1H104JZ	Polyester	0.1μF	J	50V	100		Garbon	7.7 1542		/4 V V
C1501	ECEA50ZR22	Electrolytic	0.22μF		50V	R1209	ERD25FJ150K	Carbon	15Ω	J	¼W
C1502	ECQM1H103JZ	Polyester	0.47µF	J	50V	R1210	ERD25FJ684K	Carbon	680KΩ		
						R1214	TRF5SK8R2			J	14W
C1504	ECEA50ZR47	Electrolytic	0.47µF		50V	11214		Non Flame	. 8.2Ω	K	5 W
C1505	ECCD1H181JC	Ceramic	180pF	J	50V		TRF5SJ120	Non Flame	12Ω	J	5 W
C1506	ECCD1H820JP2	Ceramic	82pF	J	50V						
C1507	ECCD1H101JP2	Ceramic	100pF	J	50V		4.3				.*
C1509	ECEA1ES3R3	Electrolytic	3.3 µ F		25V	R1217	ERD25FJ122K	Carbon	1.2 K Ω	J	14W
						R1219	ERD25FJ681K	Carbon	680Ω	J	1/4W
C1510	ECEA1CN330S	Electrolytic	33µF		16V	R1220	ERD25FJ271K	Carbon	270Ω	J	14W
C1511	ECEA1ES3R3	Electrolytic	3.3 µ F		25V	R1221	ERD25FJ102K	Carbon	1ΚΩ	J	1/4W
C1512	ECCD1H271JC	Ceramic	270pF	J	50V	R1222	ERD25FJ473K	Carbon	470KΩ	J	14W
C1513	ECCD1H181JC	Ceramic	180pF	j	50V	[[•
C1514	ECCD1H560JP	Ceramic	56pF		50 V	R1223	ERD25FJ820K	Carbon	82Ω	J	14W
		Corarrie	SOPE .	J	υV	R1224	ERD25FJ561K	Carbon	560Ω	J	14W
C1515	ECEA0JS330	Electrolytic	33 µ F		601	R1225	ERD25FJ105K	Carbon	1ΜΩ	J	14W
C1516	ECEA1ES3R3				6.3V	R1226	ERD25FJ122K	Carbon	1.2ΚΩ	J	14W
C1517		Electrolytic	3.3µF		25V	R1227	ERC12GJ561	Solid	560Ω	Ĵ	1/2W
	ECQM1H153JZ	Polyester	0.015μF	J	50V	1		John	30042		/2 V V
	ECQM1H332JZ	Polyester	3300µF	J	50V	R1228	ERD25FJ183K	Carbon	18ΚΩ	e ₁	1/14/
C1521	ECEA1ES4R7	Electrolytic	4.7µF		25V	R1229	ERD25FJ332K	Carbon		J	14W
						11	ERD25FJ101K		3.3KΩ	J	14W
	ECCD1H151JP	Ceramic	150pF	J	50V	11		Carbon	100Ω	J.	14W
	ECEA1CS100	Electrolytic	10 µ F		16V	11	TRF2SK2R7	Non Flame	2.7Ω	K	2 W
	ECEA1ES3R3	Electrolytic	3.3 µ F		25V	R1233	TRF5SJ120	Non Flame	12Ω	J	5 W
C1526	ECQM1H332JZ	Polyester	3300µF	J	50V	1					
C1527	ECQS1821JWT	Styrol	-•	Ĵ			ERD25TJ823	Carbon	82KΩ	Ĵ	14W
				-			ERD25FJ153K	Carbon	15K Ω	J	1/4W
01528	ECQM1H102JZ	Polyester	1000pF	1	EOV.	R1403	ERD25FJ222K	Carbon	2.2 K Ω	J	14W
	ECKD1H102KB2	•	•	J	50V	R1404	ERD25FJ684K	Carbon	680KΩ	j	1/4W
		Ceramic	1000pF	j	50V		ERD25FJ151K	Carbon	150Ω	J	14W
- 1	ECOM1H152JZ	Polyester	1500pF	J	50V						/++ ¥ ¥
	ECCD1H470JPN	Ceramic	47pF	J	50V	R1406	ERD25FJ103K	Carbon	10ΚΩ	J	1/1/4/
C1538	ECEA1CS100	Electrolytic	10 µ F		16V		ERD25FJ273K	Carbon			1/4W
						11-00	-11D50105/2V	Carbon	27ΚΩ	J	14W

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Ref. No.	Part No.		Descriptio	n		Ref. No.	Part No.	Description	
R1409	ERD25FJ104K	Carbon	100ΚΩ	J	1/4W	R1533	ERD25FJ103K	Carbon 10KΩ J	14W
R1411	ERD25FJ222K	Carbon	22ΚΩ	J	14W	R1534	ERD25FJ154K	Carbon 150KΩ J	14W
R1412	ERD25FJ100K	Carbon	10Ω	J	1/4W	R1535	ERD25FJ822K	Carbon 8.2KΩ J	14W
R1413	ERD25FJ473K	Carbon	47KΩ	J	14W	R 1537	ERD25FJ123K	Carbon 12KΩ J	1/4W
R1414	ERD25FJ102K	Carbon	1ΚΩ	J	1/4W	R1541	ERD25FJ102K	Carbon 1KΩ J	14W
R1415	ERD25FJ102K	Carbon	1ΚΩ	J	1/4W	R1542	ERD25FJ473K	Carbon 47KΩ J	1/4W
R1416	ERD25FJ101K	Carbon	100Ω	J	14W	R1543	ERD25FJ330K	Carbon 33Ω J	14W
R1417	ERD25FJ224K	Carbon	220KΩ	J	1/4W	R1544	ERD25FJ123K	Carbon 12KΩ J	14W
R1418	ERD25FJ473K	Carbon	47KΩ	· J	14W	R1545	ERD50FJ151	Carbon 150Ω J	1/2W
R1419	ERD25FJ682K	Carbon	6.8KΩ	J	1/4 W	R1546	ERD25FJ4R7K	Carbon 4.7Ω J	1/4W
R1420	ERD25FJ102K	Carbon	1ΚΩ	J	1/4W	R1551	ERD25FJ153K	Carbon 15KΩ J	1/4W
R1421	ERD25FJ334K	Carbon	330KΩ	J	1/4 W	JC121	QJA0156	Socket (Remote)	
R1422	ERD25FJ822K	Carbon	8.2KΩ	J	1/4 W	TC122	TJS848090	Socket (R/L Aux. Audio)	
R1423	ERD25FJ223K	Carbon	22KΩ	J	14W	JC123	XCJ6P21E-A	Hwad Phone Socket	
R1426	ERD25FJ153K	Carbon	15ΚΩ	J	1/4 W	JC141	QJA0154	Socket (L Mic)	
R1427	ERD25FJ562K	Carbon	5.6ΚΩ	J	1/4 W	JC142	QJA0154	Socket (L Ext. Sp)	
R1429	ERD25FJ103K	Carbon	10ΚΩ	J	14W	JC151	QJA0154	Socket (R. Mic)	
R1431	ERD25FJ824K	Carbon	820ΚΩ	J	14W	JC152	QJA0154	Socket (R. Ext. Sp)	
R1432	ERD25FJ101K	Carbon	100Ω	J	14W	00	TJS168040	Socket	
R1433	ERD25FJ103K	Carbon	10ΚΩ	J	1/4W	Q1	TJS168040	Socket	
R1434	ERD25FJ154K	Carbon	150ΚΩ	J	1⁄4W	QJA1	TSE80136	Switch	* .
R1435	ERD25FJ822K	Carbon	8.2KΩ	J	14W	SW101	QSSA203T	Switch	
R1437	ERD25FJ123K	Carbon	12ΚΩ	J	14W	SW102	ESD1493	Switch	
R1441	ERD25FJ102K	Carbon	1ΚΩ	J	1/4W	SW103	TSE80130	Switch	
R1442	ERD25FJ473K	Carbon	47KΩ	J	14W	D.N	TJS868250	Socket	
R1443	ERD25FJ330K	Carbon	33Ω	J	14W	WL	TJS868250	Socket	
R1444	ERD25FJ123K	Carbon	12ΚΩ	J	14W	WR	TJS868250	Socket	
R1445	ERD50FJ151	Carbon	150Ω	J	½W	CL	TJS868250	Socket	
R1446	ERD25FJ4R7K	Carbon	4.7Ω	J	1/4W	CR	TJS868250	Socket	
R1451	ERD25FJ153K	Carbon	15ΚΩ	J	14W	VR71	EVTS3MA00B13	Control 1KΩB	
R1501	ERD25FJ153K	Carbon	15ΚΩ	J	14W	VR131	EVNK4AA00B13	Control 1KΩB	
R1503	ERD25FJ222K	Carbon	2.2ΚΩ	j	1/4W	VR141	EVTS3AA00B15	Control 100KΩB	
R1504	ERD25FJ684K	Carbon	680KΩ	J	1/4W	VR151	EVTS3AA00B15	Control 100KΩB	
R1505	ERD25FJ151K	Carbon	150Ω	J	1/4W		TJT8902A	1P Housing Socket	
R1506	ERD25FJ103K	Carbon	10ΚΩ	J	1/4W		TXAJT3P245	3P Connector Ass'y	
R1508	ERD25FJ273K	Carbon	27ΚΩ	J	14W		TXAJT3P246	3P Connector Ass'y	
R1509	ERD25FJ104K	Carbon	100ΚΩ	J	14W		TXAJT4P111A	4P Connector Ass'y	
R1511	ERD25FJ222K	Carbon	2.2ΚΩ	J	14W		TXAJT5P059	5P Connector Ass'y	
R1512	ERD25FJ100K	Carbon	19Ω	J.	1/4W		TXAJT7P005	7P Connector Ass'y	
R1513	ERD25FJ473K	Carbon	47KΩ	j	1/4W		TXAJT3P224A	3P Connector Ass'y	
R1514	ERD25FJ102K	Carbon	1ΚΩ	J	1/4 W			· .	
R1514	ERD25FJ102K	Carbon	1ΚΩ	J	% VV % W			<u>.</u> *	
R1516	ERD25FJ102K	Carbon	100Ω	J	% VV 1⁄4 W				
R1517	ERD25FJ101K	Carbon	220KΩ	J	1/4 W				
R1518	ERD25FJ473K	Carbon	220K 32 47KΩ	J	14W				
D4540			0.0110		42				
R1519	ERD25FJ682K	Carbon	6.8KΩ	J	14W				
R1520	ERD25FJ102K	Carbon	1ΚΩ	. J	1/4W				
R1521 R1522	ERD25FJ334K ERD25FJ822K	Carbon	330KΩ	J.	1/4W				
R1522	ERD25FJ822K ERD25FJ223K	Carbon Carbon	8.2KΩ 22KΩ	J. J	14W 14W				
R1526	ERD25FJ153K	Carbon	15ΚΩ	J	14W				
R1527	ERD25FJ562K	Carbon	5.6KΩ	J	1/4W				
R1529	ERD25FJ103K	Carbon	10KΩ	J	1/W				
R1531 R1532	ERD25FJ824K ERD25FJ101K	Carbon Carbon	820KΩ 100Ω	J J	¼W ¼W				
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